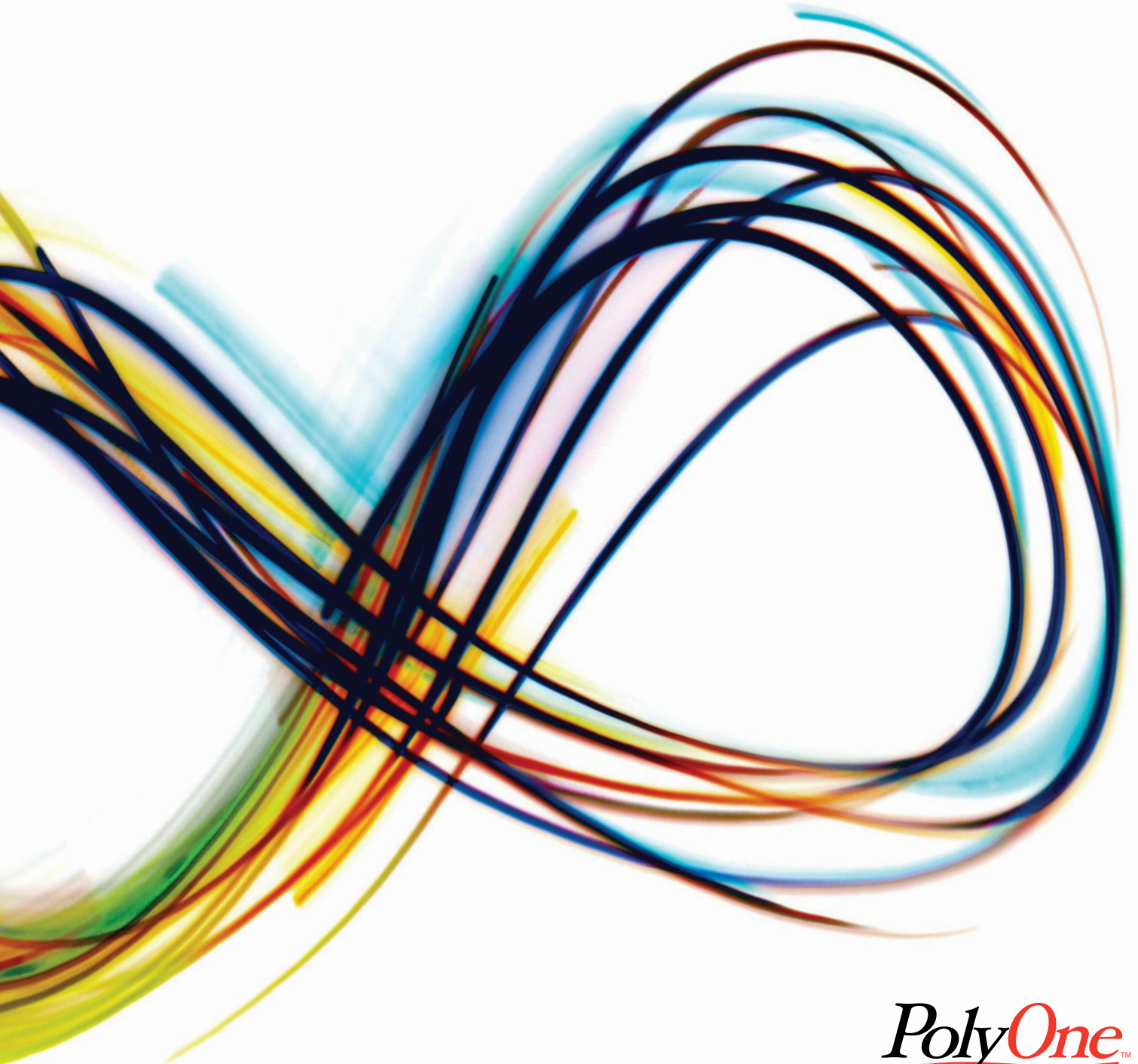


AGGRESSIVE GOALS.  
UNPRECEDENTED PROGRESS.  
**LIMITLESS POTENTIAL.**



*PolyOne*<sup>™</sup>

ANNUAL REPORT 2010



## To Our Shareholders

**By any measure, our 2010 results were remarkable. Whether gauged against past performance, self-established targets, our peers, or consensus expectations, PolyOne had a record-setting year.**

Nearly five years after the launch of our transformation, we are the new PolyOne—our disciplined execution and the ensuing results reflect our unwavering commitment to growth. The same strategy we executed to transform PolyOne—specialization, globalization, and operational and commercial excellence—is now being deployed to grow the new PolyOne. This was the year we demonstrated our ability to consistently fulfill our promise.

### **Aggressive Growth Goals**

In 2010, the rate of our transformation accelerated. Each of our strategic platforms contributed to our results with record operating income or profitability, boosting year-over-year revenue 27% higher to \$2.6 billion. Before special items, operating income doubled to \$167 million and earnings per share increased to \$0.88, up threefold over 2009 on a comparable basis and well ahead of pre-recession levels.

Relying on a global economic recovery was not an option for PolyOne. Our 2010 revenue growth goals were independent of improvements in market conditions. Guided by our commercial excellence strategy, we gained new business by deploying our solutions-based approach to create value for our customers in the form of competitive advantage, market differentiation and business results. A cross-selling initiative spanning our new global organization helped our customers identify additional PolyOne solutions to address previously unmet needs. Together, these efforts far outpaced ongoing weakness in the U.S. housing market and the decline in equity earnings from our SunBelt joint venture.

For some time, we acknowledged that SunBelt was not a strategic fit, yet market conditions were unfavorable for a divestiture. By monetizing our 50% stake in SunBelt in

early 2011, we have further oriented our portfolio toward Specialty and will use the proceeds to fund strategic acquisitions that will accelerate our Specialty growth.

Growing our business also entails expanding our geographic footprint. To drive growth in Asia, we invested in local talent to work more closely with large original equipment manufacturers, adding to our sales office in Japan and opening our first sales office in South Korea. Two acquisitions in Brazil, in late 2010 and early 2011, create a foundation for our growth in South America and will help augment our Specialty platform.

Healthcare remains a strategic market and a tremendous growth opportunity for PolyOne solutions, with revenue exceeding \$220 million in 2010. Our leading position helped PolyOne secure healthcare supplier wins with BASF Engineering Plastics, Dow Corning, and ExxonMobil Chemical Company.

Sales performance is only one measure of our success in 2010. Industry comparisons show PolyOne outperforms our industry peers in areas previously considered unattainable, including working capital, on-time delivery, and safety. Aided by Lean Six Sigma methodology, improved sourcing efficiencies and inventory management, working capital averaged 9.6% of sales for the year, a best-in-class performance. Our exemplary on-time delivery performance has become a speed-to-market advantage our customers rely on from PolyOne, despite our on-time delivery being challenged by raw material shortages. We addressed the issue by investing in inventory and prioritizing the goal of meeting or exceeding delivery expectations 95% of the time.

As a result of our financial and operational achievements, we finished 2010 with our strongest balance sheet ever, which included \$378 million in cash, \$506 million in available liquidity, and limited debt maturities until 2020. Contributing to balance sheet improvements were the divestitures of three non-core assets—the sale of our interest in the BayOne joint venture, the sale of our ownership interest in O'Sullivan Films and the seller note collection from the sale of Excel Polymers—as well as a successful debt refinancing that both extended our debt maturity profile and took advantage of historically low interest rates.



We are well positioned to fund our future operating needs and acquisitions that will expand our global footprint and complement our Specialization strategy. We are also rewarding our shareholders with the initiation of quarterly dividends for the first time since 2002. With a bright outlook for our future, and ample cash to fund acquisitions and growth investments, we are confident in and committed to our new dividend policy.

#### **Unprecedented Progress Aided by Lean Six Sigma**

Lean Six Sigma (LSS) is now embedded in our culture—its methodology and language are a unifying force for our associates. Across business and regional boundaries, our teams collaborate on systemic and lasting efficiency improvements, always with the customer in mind.

We began the second full year of our Lean Six Sigma deployment by winning the most prestigious process improvement award in the world and, by year-end, had trained 28% of our global workforce in LSS principles. As the number of associates engaged in continuous process improvement grows, so, too, do our results. LSS is helping us create efficiencies and drive bottom-line results, a portion of which we are reinvesting in sales and marketing to drive our growth.

Our performance improvements are never achieved at the expense of the industry standard we take seriously—safety. For the third consecutive year, we exceeded our previous record. Our lost-time incidence rate of 0.65 per 100 employees makes PolyOne seven times safer than the industry average.

#### **Limitless Potential Being Attained through Innovation**

To fulfill our potential, we are creating a dynamic innovation culture at PolyOne, supported by investments in resources. In the last year, we added more than 100 people to our global commercial organization to innovate, develop, market and sell the next generation of materials. Our network of customer-facing Innovation Centers showcases the breadth of PolyOne solutions and enables us to support customers with technical aspects of the design process. January 2011 marked the opening of our ninth center in Gaggenau, Germany, and construction is nearly complete on our tenth center in Avon Lake, Ohio, USA.

Ideas become reality in these collaborative centers located around the world. For our customers, this means streamlining the design process, reducing time-to-market, and optimizing efficiency—all major competitive advantages. For PolyOne, it means deeper customer relationships and more opportunities to match our capabilities with their future needs by delivering meaningful business solutions.

As customers increasingly depend on PolyOne to deliver new solutions to their toughest challenges, our Specialty Vitality Index has climbed to above 35%—best in class for our industry. To consistently expand profitability in our Specialty platform, we must continually evolve and renew our portfolio of offerings by unveiling solutions that capture the imagination of manufacturers and consumers alike.

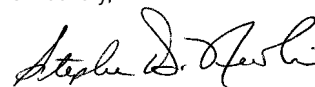
In 2010, we prioritized profitable revenue growth, LSS deployment and innovation. Our record-setting results prove our strategy is correct. Our people made it possible.

Our management team and associates are energized by our unprecedented progress, and we embrace the ambitious goals before us. In 2011, we expect each of our platforms will break new records for operating income or profitability by executing on our strategy, putting customers first, prioritizing the winning of new business, executing our “world’s best” Lean Six Sigma program and innovating to differentiate PolyOne from the competition.

PolyOne has many more milestones to reach and records to shatter. Last year was our best year yet, and in retrospect, we will recall 2010 as a new inflection point... a significant leap toward our limitless potential.

Your support bolsters our resolve and your expectations challenge us. With great appreciation for both, we continue to accelerate toward our bright future.

Sincerely,



Stephen D. Newlin  
Chairman, President and Chief Executive Officer  
March 10, 2011



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## ABOUT POLYONE

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PolyOne Corporation, with annual revenues of \$2.6 billion, is a leading global provider of specialized polymer materials, services and solutions. Headquartered outside Cleveland, Ohio, U.S.A., PolyOne has operations around the world. Visit [www.polyone.com](http://www.polyone.com) for additional information.

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### **PolyOne is executing a transformational strategy that consists of four core components:**

#### SPECIALIZATION

Differentiates us through value-creating offerings that extend beyond products to help customers who care about service, technology and problem solving.

#### GLOBALIZATION

Takes us into high-growth markets where our customers are migrating, and positions us to serve them with consistency everywhere in the world.

#### OPERATIONAL EXCELLENCE

Empowers us to respond to the voice of the customer with a relentless focus on continuous improvement in everything we do.

#### COMMERCIAL EXCELLENCE

Governs our activities in the marketplace, where we deliver value to customers by showing them how they can increase their profits and grow.

**“The same strategy we executed to transform PolyOne—specialization, globalization, and operational and commercial excellence—is now being deployed to grow the new PolyOne.”**—Stephen D. Newlin

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In this annual report, statements that are not reported financial results or other historical information are “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. Factors that could cause our actual results to differ materially from those implied by forward-looking statements are described in detail on page 2 of the Form 10-K.

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# THE NEW POLYONE

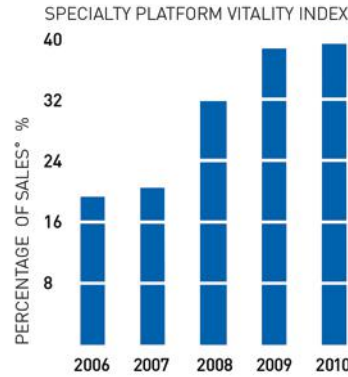
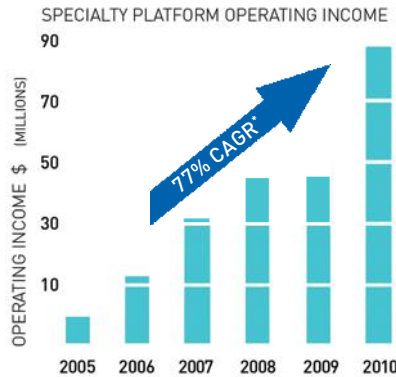
## OUR TRANSFORMATION INTO A SPECIALTY COMPANY

By growing our Specialty operating income, we have achieved the best mix of earnings in company history.

Our Vitality Index is now best in class.

**1,640%**

Specialty operating income has increased almost SEVENFOLD since 2005

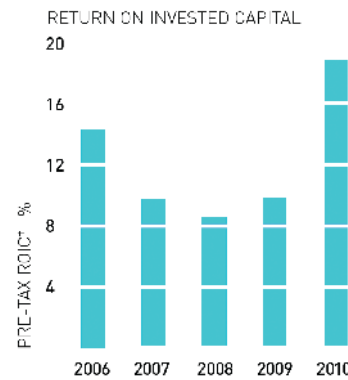
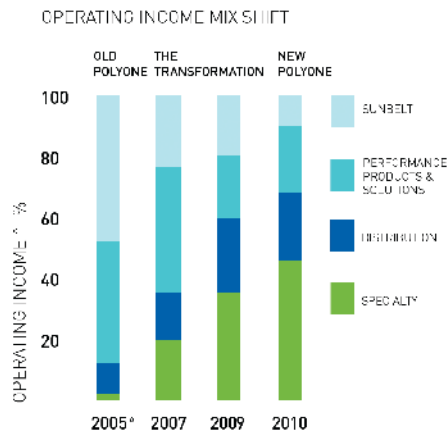


**40%**

with a Vitality Index of FORTY PERCENT, we have achieved our stated 2012 target

**43%**

we are on target to reach our stated goal of deriving SIXTY PERCENT of our operating income from the Specialty platform by 2014



**19%**

with a ROIC of NINETEEN PERCENT, we have exceeded our stated 2012 target

\*CAGR defined as compound annual growth rate

\*Percentage of Specialty sales from products introduced in the last five years

^Operating income excludes corporate charges

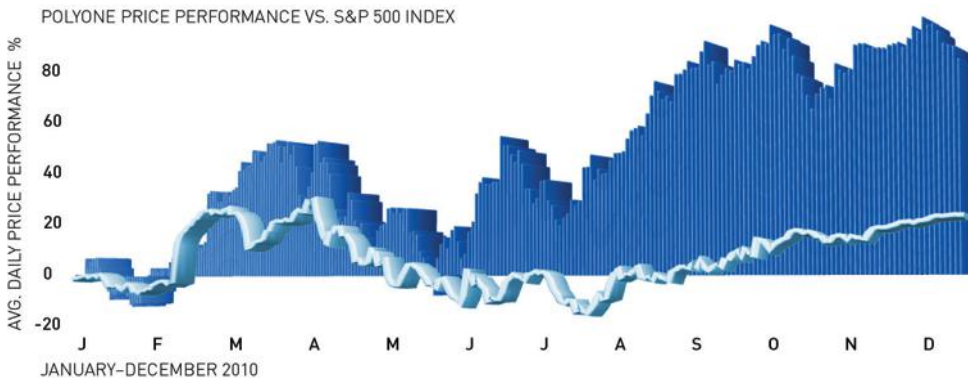
^In 2005 SunBelt operating income includes OxyVinyls

\*ROIC defined as operating income excluding special items divided by debt plus equity

## POL STOCK PRICE

■ POL □ S&P 500

POL **67%** VERSUS S&P **13%**



## 2009 VERSUS 2010

(\$ MILLIONS)

	YEAR ENDED, DEC. 31	
	2009	2010
SALES	\$2,061	\$2,622
OPERATING INCOME*	\$ 76	\$ 167
OI % OF SALES	3.7%	6.4%
EPS*	\$ 0.25	\$ 0.88

\*Operating income and EPS excluding special items

United States  
Securities and Exchange Commission

Washington, DC 20549

FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2010

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number 1-16091

PolyOne Corporation

(Exact name of registrant as specified in its charter)

Ohio

34-1730488

(State or other jurisdiction of  
incorporation or organization)

(IRS Employer Identification No.)

33587 Walker Road,  
Avon Lake, Ohio

44012  
(Zip Code)

(Address of principal executive offices)

Registrant's telephone number, including area code (440) 930-1000

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Name of each exchange on which registered</u>
Common Shares, par value \$.01 per share	New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes  No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer  Non-accelerated filer  Smaller reporting company   
(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

The aggregate market value of the registrant's outstanding common shares held by non-affiliates on June 30, 2010, determined using a per share closing price on that date of \$8.42, as quoted on the New York Stock Exchange, was \$726,785,663.

The number of shares of common shares outstanding as of February 15, 2011 was 94,029,027.

DOCUMENTS INCORPORATED BY REFERENCE

Part III of this Annual Report on Form 10-K incorporates by reference certain information from the registrant's definitive Proxy Statement with respect to the 2011 Annual Meeting of Shareholders.

## PART I

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### CAUTIONARY NOTE ON FORWARD-LOOKING STATEMENTS

In this Annual Report on Form 10-K, statements that are not reported financial results or other historical information are “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements give current expectations or forecasts of future events and are not guarantees of future performance. They are based on management’s expectations that involve a number of business risks and uncertainties, any of which could cause actual results to differ materially from those expressed in or implied by the forward-looking statements. You can identify these statements by the fact that they do not relate strictly to historic or current facts. They use words such as “anticipate,” “estimate,” “expect,” “project,” “intend,” “plan,” “believe” and other words and terms of similar meaning in connection with any discussion of future operating or financial performance and/or sales. In particular, these include statements relating to future actions; prospective changes in raw material costs, product pricing or product demand; future performance; results of current and anticipated market conditions and market strategies; sales efforts; expenses; the outcome of contingencies such as legal proceedings; and financial results. Factors that could cause actual results to differ materially include, but are not limited to:

- the effect on foreign operations of currency fluctuations, tariffs and other political, economic and regulatory risks;
- changes in polymer consumption growth rates where we conduct business;
- changes in global industry capacity or in the rate at which anticipated changes in industry capacity come online in the polyvinyl chloride (PVC), chlor alkali, vinyl chloride monomer (VCM) or other industries in which we participate;
- fluctuations in raw material prices, quality and supply and in energy prices and supply;
- production outages or material costs associated with scheduled or unscheduled maintenance programs;
- unanticipated developments that could occur with respect to contingencies such as litigation and environmental matters, including any developments that would require any increase in our costs and/or reserves for such contingencies;
- an inability to achieve or delays in achieving or achievement of less than the anticipated financial benefit from initiatives related to working capital reductions, cost reductions and employee productivity goals and our new global organization structure;
- an inability to raise or sustain prices for products or services;
- an inability to maintain appropriate relations with unions and employees;

- the speed and extent of an economic recovery, including the recovery of the housing and chlor-alkali markets;
- the financial condition of our customers, including the ability of customers (especially those that may be highly leveraged and those with inadequate liquidity) to maintain their credit availability;
- disruptions, uncertainty or volatility in the credit markets that may limit our access to capital;
- other factors affecting our business beyond our control, including, without limitation, changes in the general economy, changes in interest rates and changes in the rate of inflation; and
- other factors described in this Annual Report on Form 10-K under Item 1A, “Risk Factors.”

We cannot guarantee that any forward-looking statement will be realized, although we believe we have been prudent in our plans and assumptions. Achievement of future results is subject to risks, uncertainties and inaccurate assumptions. Should known or unknown risks or uncertainties materialize, or should underlying assumptions prove inaccurate, actual results could vary materially from those anticipated, estimated or projected. Investors should bear this in mind as they consider forward-looking statements. We undertake no obligation to publicly update forward-looking statements, whether as a result of new information, future events or otherwise, except as otherwise required by law. You are advised, however, to consult any further disclosures we make on related subjects in our reports on Forms 10-Q, 8-K and 10-K furnished to the SEC. You should understand that it is not possible to predict or identify all risk factors. Consequently, you should not consider any such list to be a complete set of all potential risks or uncertainties.

### **ITEM 1. BUSINESS**

#### **Business Overview**

We are a premier provider of specialized polymer materials, services and solutions with operations in thermoplastic compounds, specialty polymer formulations, color and additive systems, thermoplastic resin distribution and specialty PVC resins. We also have an equity investment in SunBelt Chlor-Alkali Partnership (SunBelt), a manufacturer of caustic soda and chlorine. When used in this Annual Report on Form 10-K, the terms “we,” “us,” “our” and the “Company” mean PolyOne Corporation and its subsidiaries.

We are incorporated in Ohio and our headquarters are in Avon Lake, Ohio. We employ approximately 4,000 people and have 49 manufacturing sites and 6 distribution facilities in North America, Europe, Asia and South America, and a joint venture in North America. We offer more than 36,000 polymer solutions to over 10,000 customers across the globe. In 2010, we had sales of \$2.6 billion, 34% of which were to customers outside the United States.

We provide value to our customers through our ability to link our knowledge of polymers and formulation technology with our

manufacturing and supply chain processes to provide an essential link between large chemical producers (our raw material suppliers) and designers, assemblers and processors of plastics (our customers). We believe that large chemical producers are increasingly outsourcing less-than-railcar business; polymer and additive producers need multiple channels to market; processors continue to outsource compounding; and international companies need suppliers with global reach. Our goal is to provide our customers with specialized material and service solutions through our global reach, product platforms, low-cost manufacturing operations, a fully integrated information technology network, broad market knowledge and raw material procurement leverage. Our end markets are primarily in industrial applications, durable goods, transportation, building and construction materials, packaging, wire and cable, healthcare, electrical and electronics and textiles.

PolyOne was formed on August 31, 2000 from the consolidation of The Geon Company (Geon) and M.A. Hanna (Hanna). Geon's roots date back to 1927 when BFGoodrich scientist Waldo Semon produced the first usable vinyl polymer. In 1948, BFGoodrich created a vinyl plastic division that was subsequently spun off through a public offering in 1993, creating Geon, a separate publicly-held company. Hanna was formed in 1885 as a privately-held company and became publicly-held in 1927. In the mid-1980s, Hanna began to divest its historic mining and shipping businesses to focus on polymers. Hanna purchased its first polymer company in 1986 and completed its 26th polymer company acquisition in 2000.

### **Polymer Industry Overview**

Polymers are a class of organic materials that are generally produced by converting natural gas or crude oil derivatives into monomers, such as ethylene, propylene, vinyl chloride and styrene. These monomers are then polymerized into chains called polymers, or plastic resin, in its most basic form. Large petrochemical companies, including some in the petroleum industry, produce a majority of the monomers and base resins because they have direct access to the raw materials needed for production. Monomers make up the majority of the variable cost of manufacturing the base resin. As a result, the cost of a base resin tends to move in tandem with the industry market prices for monomers and the cost of raw materials and energy used during production. Resin selling prices can move in tandem with costs, but are largely driven by supply and demand balances. Through our equity interest in SunBelt, we realize a portion of the economic benefits of a base resin producer for PVC resin, one of our major raw materials.

Thermoplastic polymers make up a substantial majority of the resin market and are characterized by their ability to be reshaped repeatedly into new forms after heat and pressure are applied. Thermoplastics offer versatility and a wide range of applications. The major types of thermoplastics include polyethylene, polyvinyl chloride, polypropylene, polystyrene, polyester and a range of specialized engineering resins. Each type of thermoplastic has unique qualities and characteristics that make it appropriate for use in a particular product.

Thermoplastic resins are found in a number of end-use products and in a variety of markets, including packaging, building and construction, wire and cable, transportation, medical, furniture and furnishings, durable goods, institutional products, electrical and electronics, adhesives, inks and coatings. Each type of thermoplastic resin has unique characteristics (such as flexibility, strength or durability) suitable for use in a particular end-use application. The packaging industry, the largest consumer of plastics, requires plastics that help keep food fresh and free of contamination while providing a variety of options for product display, and offering advantages in terms of weight and user-friendliness. In the building and construction industry, plastic provides an economical and energy efficient replacement for other traditional materials in piping applications, siding, flooring, insulation, windows and doors, as well as structural and interior or decorative uses. In the wire and cable industry, thermoplastics serve to protect by providing electrical insulation, flame resistance, durability, water resistance, and color coding to wire coatings and connectors. In the transportation industry, plastic has proved to be durable, lightweight and corrosion resistant while offering fuel savings, design flexibility and high performance. In the medical industry, plastics help save lives by safely providing a range of transparent and opaque thermoplastics that are used for a vast array of devices including blood and intravenous bags, medical tubing, masks, lead replacement for radiation shielding, clamps and connectors to bed frames, curtains and sheeting, and electronic enclosures. In the electronics industry, plastic enclosures and connectors not only enhance safety through electrical insulation, but thermally and electrically conductive plastics provide heat transferring, cooling, antistatic, electrostatic discharge, and electromagnetic shielding performance for critical applications including integrated circuit chip packaging.

Various additives can be combined with a base resin to provide it with greater versatility and performance. These combinations are known as plastic compounds. Plastic compounds have advantages over metals, wood, rubber and other traditional materials, which have resulted in the replacement of these materials across a wide spectrum of applications that range from automobile parts to construction materials. Plastic compounds offer advantages compared to traditional materials that include processability, weight reduction, chemical resistance, flame retardance and lower cost. Plastics have a reputation for durability, aesthetics, ease of handling and recyclability.

### **PolyOne Segments**

We operate in five reportable segments: (1) Global Specialty Engineered Materials; (2) Global Color, Additives and Inks; (3) Performance Products and Solutions; (4) PolyOne Distribution; and (5) SunBelt Joint Venture. Our segments are further discussed in Note 16, *Segment Information*, to the accompanying consolidated financial statements.

### **Global Specialty Engineered Materials**

Global Specialty Engineered Materials is a leading provider of custom plastic formulations, compounding services and solutions for



processors of thermoplastic materials across a wide variety of markets and end-use applications. Our product portfolio, which we believe to be one of the most diverse in our industry, includes standard and custom formulated high-performance polymer compounds that are manufactured using thermoplastic compounds and elastomers, which are then combined with advanced polymer additive, reinforcement, filler, colorant and/or biomaterial technologies. This segment includes GLS Corporation (GLS), which we acquired in 2008. We believe GLS offers the broadest range of soft-touch thermoplastic elastomers in the industry. Our compounding expertise enables us to expand the performance range and structural properties of traditional engineering-grade thermoplastic resins. Global Specialty Engineered Materials has plants, sales and service facilities located throughout North America, Europe and Asia, and with the acquisition of Uniplen Indústria de Polímeros Ltda. (Uniplen) on January 3, 2011, we further extended our global capabilities to South America. Our product development and application reach is further enhanced by the capabilities of our Engineered Materials Solutions Centers in the United States, Germany, and China, which produce and evaluate prototype and sample parts to help assess end-use performance and guide product development. Our manufacturing capabilities are targeted at meeting our customers' demand for speed, flexibility and critical quality.

#### **Global Color, Additives and Inks**

Global Color, Additives and Inks is a leading provider of specialized color and additive concentrates as well as inks and latexes. Color and additive products include an innovative array of colors, special effects and performance-enhancing and eco-friendly solutions. When combined with non pre-colored base resins, our colorants help customers achieve a wide array of specialized colors and effects that are targeted at the demands of today's highly design-oriented consumer and industrial end markets. Our additive masterbatches encompass a wide variety of performance enhancing characteristics and are commonly categorized by the function that they perform, such as UV stabilization, anti-static, chemical blowing, antioxidant and lubricant, and processing enhancement. Our colorant and additives masterbatches are used in a broad range of plastics, including those used in food and medical packaging, transportation, building products, pipe and wire and cable markets. We also provide custom-formulated liquid systems that meet a variety of customer needs and chemistries, including vinyl, natural rubber and latex, polyurethane and silicone. Products include proprietary inks and latexes for diversified markets including recreational and athletic apparel, construction and filtration, outdoor furniture and healthcare. Global Color, Additives and Inks has plants, sales and service facilities located throughout North America, Europe and Asia, and with the acquisition of Polimaster Indústria E Comércio de Pigmentos Plásticos LTDA (Polimaster) on October 1, 2010, we further extended our global capabilities to South America. In addition, through its disposition on November 30, 2010, we had a 50% interest in BayOne Urethane Systems LLC (BayOne), a joint venture between PolyOne and Bayer Corporation, which sells liquid polyurethane systems into many of the same

markets. The equity earnings from BayOne are included in Global Color, Additives and Inks' results.

#### **Performance Products and Solutions**

Performance Products and Solutions is an industry leader offering an array of products and services for vinyl, molding and extrusion processors principally in North America. Our product offerings include: vinyl compounds, vinyl resins, and specialty coating materials based largely on vinyl. We believe that Geon is the leading North American vinyl compounder, and the Geon name carries strong brand recognition. These products are sold to manufacturers of plastic parts and consumer-oriented products. We also offer a wide range of services including materials testing and component analysis, custom compound development, colorant and additive services, design assistance, structural analyses, process simulations and extruder screw design. In addition, we owned 50% of Geon Polimeros Andinos (GPA), a former equity affiliate and producer and marketer of vinyl compounds in Latin America, through the disposition date of October 13, 2009. Vinyl is utilized across a broad range of applications in building and construction, wire and cable, consumer and recreation markets, transportation, packaging and healthcare. This segment also includes Producer Services, which offers custom compounding services to resin producers and processors that design and develop their own compound and masterbatch recipes. As a strategic and integrated supply chain partner, Producer Services offers resin producers a way to develop custom products for niche markets by using our compounding expertise and multiple manufacturing platforms.

#### **PolyOne Distribution**

Our PolyOne Distribution business distributes more than 3,500 grades of engineering and commodity grade resins, including PolyOne-produced compounds, to the North American market. These products are sold to over 5,500 custom injection molders and extruders who, in turn, convert them into plastic parts that are sold to end-users in a wide range of industries. Representing over 20 major suppliers, we offer our customers a broad product portfolio, just-in-time delivery from multiple stocking locations and local technical support.

#### **SunBelt Joint Venture**

Our SunBelt Joint Venture consists entirely of our 50% equity interest in SunBelt. SunBelt, a producer of chlorine and caustic soda, is a partnership with Olin Corporation. In 2010, SunBelt had production capacity of approximately 320 thousand tons of chlorine and 358 thousand tons of caustic soda. Most of the chlorine manufactured by SunBelt is used to produce PVC resin. Caustic soda is sold on the merchant market to customers in the pulp and paper, chemical, building and construction and consumer products industries.

## Competition

The production of compounded plastics and the manufacture of custom and proprietary formulated color and additives systems for the plastics industry are highly competitive. Competition is based on service, performance, product innovation, product recognition, speed, delivery, quality and price. The relative importance of these factors varies among our products and services. We believe that we are the largest independent formulator and compounder of plastics and producer of custom and proprietary color and additive masterbatch systems in the United States and Europe, with a growing presence in Asia and South America. Our competitors range from large international companies with broad product offerings to local independent custom compounders whose focus is a specific market niche or product offering.

The distribution of polymer resin is also highly competitive. Speed, service, reputation, product line, brand recognition, delivery, quality and price are the principal factors affecting competition. We compete against other national independent resin distributors in North America, along with other regional distributors. Growth in the thermoplastic resin and compound distribution market is directly correlated with growth in the base polymer resins market.

We believe that the strength of our company name and reputation, the broad range of product offerings from our suppliers and our speed and responsiveness, coupled with the quality of products and flexibility of our distribution network, allow us to compete effectively.

## Raw Materials

The primary raw materials used by our manufacturing operations are PVC resin, VCM, polyolefin and other thermoplastic resins, plasticizers, inorganic and organic pigments, all of which we believe are in adequate supply. We have long-term supply contracts with OxyVinyls LP, a former equity investment affiliate, under which the majority of our PVC resin and all of our VCM is supplied. These contracts will expire in 2013, although they contain two five-year renewal provisions that are at our option. We believe these contracts should assure the availability of adequate amounts of PVC resin and VCM. We also believe that the pricing under these contracts provides PVC resins and VCM to us at a competitive cost. We also periodically obtain raw materials from foreign suppliers. See discussion of risks associated with raw material supply and costs in Item 1A. Risk Factors.

## Patents and Trademarks

We own and maintain a number of U.S. and foreign patents and trademarks that contribute to our competitiveness in the markets we serve because they protect our inventions and product names against infringement by others. Patents exist for 20 years if all fees are paid, and trademarks have an indefinite life based upon continued use. While we view our patents and trademarks to be valuable because of the broad scope of our products and services and brand recognition we enjoy, we do not believe that the loss or expiration of any single patent or trademark would have a material

adverse effect on our results of operations, financial position or the continuation of our business. Nevertheless, we have implemented management processes designed to protect our inventions and trademarks.

## Seasonality and Backlog

Sales of our products and services are slightly seasonal as demand is generally slower in the first and fourth calendar quarters of the year. Because of the nature of our business, we do not believe that our backlog is a meaningful indicator of the level of our present or future business.

## Working Capital Practices

Our products are generally manufactured with a short turnaround time, and the scheduling of manufacturing activities from customer orders generally includes enough lead time to assure delivery of an adequate supply of raw materials. We offer payment terms to our customers that are competitive. We generally allow our customers to return merchandise if pre-agreed quality standards or specifications are not met; however, we employ quality assurance practices that seek to minimize customer returns. Our customer returns are immaterial.

## Significant Customers

No customer accounted for more than 3% of our consolidated revenues in 2010, and neither we nor any of our segments would suffer a material adverse effect if we were to lose any single customer.

## Research and Development

We have substantial technology and development capabilities. Our efforts are largely devoted to developing new product formulations to satisfy defined market needs, providing quality technical services to evaluate alternative raw materials, assuring the continued success of our products for customer applications, providing technology to improve our products, processes and applications, and providing support to our manufacturing plants for cost reduction, productivity and quality improvement programs. We operate research and development centers that support our commercial development activities and manufacturing operations. These facilities are equipped with state-of-the-art analytical, synthesis, polymer characterization and testing equipment, along with pilot plants and polymer compounding operations that simulate specific production processes that allow us to rapidly translate new technologies into new products.

Our investment in product research and development was \$33.8 million in 2010, \$30.2 million in 2009 and \$33.8 million in 2008. In 2011, we expect our investment in research and development to increase moderately as we deploy additional resources to focus on material and service innovations.

## Methods of Distribution

We sell products primarily through direct sales personnel, distributors, including our PolyOne Distribution segment, and commissioned sales agents. We primarily use truck carriers to transport our products to customers, although some customers pick up product at our operating facilities or warehouses. We also ship some of our manufactured products to customers by rail.

## Employees

As of February 1, 2011, we employed approximately 4,000 people. Less than 2% of our employees are represented by labor unions under collective bargaining agreements. We believe that relations with our employees are good, and we do not anticipate significant operating issues to occur as a result of current negotiations or when we renegotiate collective bargaining agreements as they expire.

## Environmental, Health and Safety

We are subject to various environmental laws and regulations that apply to the production, use and sale of chemicals, emissions into the air, discharges into waterways and other releases of materials into the environment and the generation, handling, storage, transportation, treatment and disposal of waste material. We endeavor to ensure the safe and lawful operation of our facilities in the manufacture and distribution of products, and we believe we are in material compliance with all applicable laws and regulations.

We maintain a disciplined environmental and occupational safety and health compliance program and conduct periodic internal and external regulatory audits at our facilities to identify and categorize potential environmental exposures, including compliance matters and any actions that may be required to address them. This effort can result in process or operational modifications, the installation of pollution control devices or cleaning up grounds or facilities. We believe that we are in material compliance with all applicable requirements.

We are strongly committed to safety as evidenced by our injury incidence rate of 0.6 per 100 full-time workers per year in 2010, an improvement from 0.9 in 2009. The 2009 average injury incidence rate for our NAICS Code (326 Plastics and Rubber Products Manufacturing) was 4.8.

In our operations, we must comply with product-related governmental law and regulations affecting the plastics industry generally and also with content-specific law, regulations and non-governmental standards. We believe that compliance with current governmental laws and regulations and with non-governmental content-specific standards will not have a material adverse effect on our financial position, results of operations or cash flows. The risk of additional costs and liabilities, however, is inherent in certain plant operations and certain products produced at these plants, as is the case with other companies in the plastics industry. Therefore, we may incur additional costs or liabilities in the future. Other developments, such as increasingly strict environmental, safety and health laws, regulations and related enforcement policies,

including those under the Restrictions on the Use of Certain Hazardous Substances and the Consumer Product Safety Improvement Act, the implementation of additional content-specific standards, discovery of unknown conditions, and claims for damages to property, persons or natural resources resulting from plant emissions or products could also result in additional costs or liabilities.

A number of foreign countries and domestic communities have enacted, or are considering enacting, laws and regulations concerning the use and disposal of plastic materials. Widespread adoption of these laws and regulations, along with public perception, may have an adverse impact on sales of plastic materials. Although many of our major markets are in durable, longer-life applications that could reduce the impact of these kinds of environmental regulations, more stringent regulation of the use and disposal of plastics may have an adverse effect on our business.

We have been notified by federal and state environmental agencies and by private parties that we may be a potentially responsible party (PRP) in connection with their investigation and remediation of a number of environmental waste disposal sites. While government agencies assert that PRPs are jointly and severally liable at these sites, in our experience, interim and final allocations of liability costs are generally made based on the relative contribution of waste. However, even when allocations of costs based on relative contribution of waste have been made, we cannot assure that our allocation will not increase if other PRPs do not pay their allocated share of these costs.

Based on September 2007 court rulings (see Note 12, *Commitments and Related-Party Information*, to the accompanying consolidated financial statements) in the case of Westlake Vinyls, Inc. v. Goodrich Corporation, et al. and a settlement agreement related to the former Goodrich Corporation (now owned by Westlake Vinyls, Inc.) Calvert City facility, we recorded a charge during 2007 of \$15.6 million for past remediation costs payable to Goodrich Corporation. We also adjusted our environmental reserve for future remediation costs, a portion of which already related to the Calvert City site, resulting in an additional charge of \$28.8 million in 2007.

We incurred environmental expenses of \$20.5 million in 2010, \$11.7 million in 2009 and \$17.1 million in 2008. Our environmental expense in 2010 and 2009 related mostly to ongoing remediation. In 2010, 2009, and 2008 we received \$16.7 million, \$23.9 million, and \$1.5 million, respectively, as reimbursement of previously incurred environmental remediation costs.

We also conduct investigations and remediation at certain of our active and inactive facilities and have assumed responsibility for the resulting environmental liabilities from operations at sites we or our predecessors formerly owned or operated. We believe that our potential continuing liability at these sites will not have a material adverse effect on our results of operations or financial position. In addition, we voluntarily initiate corrective and preventive environmental projects at our facilities. Based on current information and estimates prepared by our environmental engineers and consultants, we had reserves as of December 31, 2010 on our accompanying consolidated balance sheet totaling \$87.4 million to cover

probable future environmental expenditures related to previously contaminated sites. This figure represents our best estimate of probable costs for remediation, based upon the information and technology currently available and our view of the most likely remedy.

Depending upon the results of future testing, the ultimate remediation alternatives undertaken, changes in regulations, new information, newly discovered conditions and other factors, it is reasonably possible that we could incur additional costs in excess of the amount accrued at December 31, 2010. Such costs, if any, cannot be currently estimated. We may revise our estimate of this liability as new regulations or technologies are developed or additional information is obtained.

We expect cash paid for environmental remediation expenditures will be approximately \$15 million in 2011.

### **International Operations**

Our international operations are subject to a variety of risks, including currency fluctuations and devaluations, exchange controls, currency restrictions and changes in local economic conditions. While the impact of these risks is difficult to predict, any one or more of them could adversely affect our future operations. For more information about our international operations, see Note 16, *Segment Information*, to the accompanying consolidated financial statements, which is incorporated by reference into this Item 1.

### **Where You Can Find Additional Information**

Our principal executive offices are located at 33587 Walker Road, Avon Lake, Ohio 44012, and our telephone number is (440) 930-1000. We are subject to the information reporting requirements of the Exchange Act, and, in accordance with these requirements, we file annual, quarterly and other reports, proxy statements and other information with the SEC relating to our business, financial results and other matters. The reports, proxy statements and other information we file may be inspected and copied at prescribed rates at the SEC's Public Reference Room and via the SEC's website (see below for more information).

You may inspect a copy of the reports, proxy statements and other information we file with the SEC, without charge, at the SEC's Public Reference Room, 100 F Street, N.E., Room 1580, Washington, D.C. 20549, and you may obtain copies of the reports, proxy statements and other information we file with the SEC, from those offices for a fee. You may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. Our filings are available to the public at the SEC's website at <http://www.sec.gov>.

Our Internet address is [www.polyone.com](http://www.polyone.com). Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act are available, free of charge, on our website ([www.polyone.com](http://www.polyone.com), select Investors and then SEC Edgar filings) or upon written request, as soon as

reasonably practicable after we electronically file or furnish them to the SEC. The contents of our website are not part of this Annual Report on Form 10-K, and the reference to our website does not constitute incorporation by reference into this Form 10-K of the information contained at that site.

### **ITEM 1A. RISK FACTORS**

The following are certain risk factors that could affect our business, financial position, results of operations or cash flows. These risk factors should be considered along with the forward-looking statements contained in this Annual Report on Form 10-K because these factors could cause our actual results or financial condition to differ materially from those projected in forward-looking statements. The following discussion is not an all-inclusive listing of risks, although we believe these are the more material risks that we face. If any of the following occur, our business, financial position, results of operations or cash flows could be negatively affected.

***Demand for and supply of our products and services may be adversely affected by several factors, some of which we cannot predict or control, that could adversely affect our financial position, results of operations or cash flows.***

Several factors may affect the demand for and supply of our products and services, including:

- economic downturns in the significant end markets that we serve;
- product obsolescence or technological changes that unfavorably alter the value / cost proposition of our products and services;
- competition from existing and unforeseen polymer and non-polymer based products;
- declines in general economic conditions or reductions in industrial production growth rates, both domestically and globally, which could impact our customers' ability to pay amounts owed to us;
- changes in environmental regulations that would limit our ability to sell our products and services in specific markets; and
- inability to obtain raw materials or supply products to customers due to factors such as supplier work stoppages, supply shortages, plant outages or regulatory changes that may limit or prohibit overland transportation of certain hazardous materials and exogenous factors, like severe weather.

If any of these events occur, the demand for and supply of our products and services could suffer, which would adversely affect our financial position, results of operations and cash flows.

***Our manufacturing operations are subject to hazards and other risks associated with polymer production and the related storage and transportation of raw materials, products and wastes.***

The hazards and risks our manufacturing operations are subject to include, but are not limited to:

- explosions, fires, inclement weather and natural disasters;
- mechanical failure resulting in protracted or short duration unscheduled downtime;
- regulatory changes that affect or limit the transportation of raw materials;
- inability to obtain or maintain any required licenses or permits;
- interruptions and environmental hazards such as chemical spills, discharges or releases of toxic or hazardous substances or gases into the environment or workplace; and
- storage tank leaks or other issues resulting from remedial activities.

The occurrence of any of these operating problems at our facilities may have a material adverse effect on the productivity and profitability of a particular manufacturing facility or on our operations as a whole, during and after the period of these operating difficulties. These operating problems may also cause personal injury and loss of life, severe damage to or destruction of property and equipment and environmental damage. We are subject to present and potential future claims with respect to workplace exposure, workers' compensation and other matters. Although we maintain property and casualty insurance of the types and in the amounts that we believe are customary for the industry, we may not be fully insured against all potential hazards that are incident to our business.

***Extensive environmental, health and safety laws and regulations impact our operations and assets and compliance with these regulations could adversely affect our financial position, results of operations or cash flows.***

Our operations on, and ownership of, real property are subject to extensive environmental, health and safety laws and regulations at the national, state and local governmental levels. The nature of our business exposes us to compliance costs and risks of liability under these laws and regulations due to the production, storage, transportation, recycling or disposal and/or sale of materials that can cause contamination and other harm to the environment or personal injury if they are released. Environmental compliance requirements on us and our vendors may significantly increase the costs of these activities involving raw materials, energy, finished products and wastes. We may incur substantial costs, including fines, damages, criminal or civil sanctions, remediation costs or experience interruptions in our operations for violations of these laws.

We also conduct investigations and remediation at some of our active and inactive facilities and have assumed responsibility for

environmental liabilities at sites formerly owned or operated by our predecessors or by us. Also, federal and state environmental statutes impose strict, and under some circumstances, joint and several liability for the cost of investigations and remedial actions on any company that generated the waste, arranged for disposal of the waste, transported the waste to the disposal site or selected the disposal site as well as on the owners and operators of these sites. Any or all of the responsible parties may be required to bear all of the costs of clean up, regardless of fault or legality of the waste disposal or ownership of the site, and may also be subject to liability for natural resource damages. We have been notified by federal and state environmental agencies and private parties that we may be a potentially responsible party in connection with certain sites. We may incur substantial costs for some of these sites. It is possible that we will be identified as a potentially responsible party at more sites in the future which could result in our being assessed substantial investigation or cleanup costs.

We may also incur additional costs and liabilities as a result of increasingly strict environmental, safety and health laws, regulations and related enforcement policies, restrictions on the use of lead and phthalates under the Restrictions on the Use of Certain Hazardous Substances and the Consumer Product Safety Information Act of 2008 and restrictions on greenhouse gases emissions.

The European Union has adopted REACH, a legislative act to cover Registration, Evaluation, Authorization and Restriction of Chemicals. The goal of this legislation, which became effective in June 2007, is to minimize risk to human health and to the environment by regulating the use of chemicals. As these regulations evolve, we will endeavor to remain in compliance with REACH.

We accrue costs for environmental matters that have been identified when it is probable that these costs will be required and when they can be reasonably estimated. However, we may be subject to additional environmental liabilities or potential liabilities that have not been identified. We expect that we will continue to be subject to increasingly stringent environmental, health and safety laws and regulations. We anticipate that compliance with these laws and regulations will continue to require capital expenditures and operating costs, which could adversely affect our financial position, results of operations or cash flows.

***Because our operations are conducted worldwide, they are inherently affected by risk.***

As noted above in Item 1., "Business," we have extensive operations outside of the United States. Revenue from these operations (principally from Canada, Mexico, Europe and Asia) was approximately 34% in 2010 and 37% in each of 2009 and 2008. Long-lived assets of our foreign operations represented 37% in 2010, 36% in 2009 and 35% in 2008 of our total long-lived assets.

International operations are subject to risks, which include, but are not limited to, the following:

- changes in local government regulations and policies including, but not limited to foreign currency exchange controls or

monetary policy; repatriation of earnings; expropriation of property; duty or tariff restrictions; investment limitations; and tax policies;

- political and economic instability and disruptions, including labor unrest, civil strife, acts of war, guerilla activities, insurrection and terrorism;
- legislation that regulates the use of chemicals;
- disadvantages of competing against companies from countries that are not subject to U.S. laws and regulations, including the Foreign Corrupt Practices Act (FCPA);
- difficulties in staffing and managing multi-national operations;
- limitations on our ability to enforce legal rights and remedies;
- reduced protection of intellectual property rights; and
- other risks arising out of foreign sovereignty over the areas where our operations are conducted.

In addition, we could be adversely affected by violations of the FCPA and similar worldwide anti-bribery laws. The FCPA and similar anti-bribery laws in other jurisdictions generally prohibit companies and their intermediaries from making improper payments to non-U.S. officials for the purpose of obtaining or retaining business. Our policies mandate compliance with these anti-bribery laws. We operate in many parts of the world that have experienced governmental corruption to some degree and, in certain circumstances, strict compliance with anti-bribery laws may conflict with local customs and practices. We cannot assure you that our internal controls and procedures always will protect us from the reckless or criminal acts committed by our employees or agents. If we are found to be liable for FCPA violations, we could suffer from criminal or civil penalties or other sanctions, which could have a material adverse effect on our business.

Any of these risks could have an adverse effect on our international operations by reducing the demand for our products or reducing the prices at which we can sell our products, which could result in an adverse effect on our business, financial position, results of operations or cash flows. We may not be able to continue to operate in compliance with applicable customs, currency exchange control regulations, transfer pricing regulations or any other laws or regulations that we may be subject to. In addition, these laws or regulations may be modified in the future, and we may not be able to operate in compliance with those modifications.

***We engage in acquisitions and joint ventures, and may encounter unexpected difficulties integrating those businesses.***

Attainment of our strategic plan objectives may require, in part, strategic acquisitions or joint ventures intended to complement or expand our businesses globally or add product technology that accelerates our specialization strategy, or both. Success will depend on our ability to complete these transactions or

arrangements, and integrate the businesses acquired in these transactions as well as develop satisfactory working arrangements with our strategic partners in the joint ventures. Unexpected difficulties in completing and integrating acquisitions with our existing operations and in managing strategic investments could occur. Furthermore, we may not realize the degree, or timing, of benefits initially anticipated, which could adversely affect our business, financial position, results of operations or cash flows.

***Our results of operations may be adversely affected by the results of operations of SunBelt.***

The earnings of SunBelt may be significantly affected by changes in the commodity cycle for hydrocarbon feedstocks and for chlor-alkali products. If the profitability of SunBelt is adversely affected, cash distributions from the partnership may decline or we may be required to make cash contributions to the partnership, either of which could adversely affect our financial position, results of operations or cash flows.

***Natural gas, electricity, fuel and raw material costs, and other external factors beyond our control, as well as downturns in the home repair and remodeling and new home sectors of the economy, can cause fluctuations in our margins.***

The cost of our natural gas, electricity, fuel and raw materials, and other costs, may not correlate with changes in the prices we receive for our products, either in the direction of the price change or in absolute magnitude. Natural gas and raw materials costs represent a substantial part of our manufacturing energy costs. In particular, electricity and fuel represent a component of the costs to manufacture building products. Most of the raw materials we use are commodities and the price of each can fluctuate widely for a variety of reasons, including changes in availability because of major capacity additions or reductions or significant facility operating problems. Other external factors beyond our control can cause volatility in raw materials prices, demand for our products, product prices, sales volumes and margins. These factors include general economic conditions, the level of business activity in the industries that use our products, competitors' actions, international events and circumstances, and governmental regulation in the United States and abroad, such as climate change regulation. These factors can also magnify the impact of economic cycles on our business. While we attempt to pass through price increases in energy costs and raw materials, we have been unsuccessful in doing so in some circumstances in the past and there can be no reassurance that we can do so in the future.

Additionally, our products used in housing, transportation and building and construction markets are impacted by changes in demand in these sectors, which may be significantly affected by changes in economic and other conditions such as gross domestic product levels, employment levels, demographic trends, legislative actions and consumer confidence. These factors can lower the demand for and pricing of our products, which could cause our net sales and net income to decrease.

***We face competition from other polymer and chemical companies, which could adversely affect our sales, results of operations or cash flows.***

We actively compete with companies that produce the same or similar products, and in some instances with companies that produce different products that are designed for the same end uses. We encounter competition in price, delivery, service, performance, product innovation, product recognition and quality, depending on the product involved.

We expect that our competitors will continue to develop and introduce new and enhanced products, which could cause a decline in the market acceptance of our products. In addition, our competitors could cause a reduction in the selling prices of some of our products as a result of intensified price competition. Competitive pressures can also result in the loss of major customers. An inability to compete successfully could have an adverse effect on our financial position, results of operations or cash flows.

We may also experience increased competition from companies that offer products based on alternative technologies and processes that may be more competitive or better in price or performance, causing us to lose customers and result in a decline in our sales volume and earnings.

Additionally, some of our customers may already be or may become large enough to justify developing in-house production capabilities. Any significant reduction in customer orders as a result of a shift to in-house production could adversely affect our sales and operating profits.

***A major failure of our information systems could harm our business.***

We depend on integrated information systems to conduct our business. We may experience operating problems with our information systems as a result of system failures, viruses, computer “hackers” or other causes. Any significant disruption or slowdown of our systems could cause customers to cancel orders or cause standard business processes to become ineffective, which could adversely affect our financial position, results of operations or cash flows.

***Current and future disruptions in the global credit and financial markets could limit our access to credit, which could negatively impact our business.***

Domestic and foreign credit and financial markets have experienced extreme disruption in the past two years, including volatility in security prices, diminished liquidity and credit availability, declining valuations of certain investments and significant changes in the capital and organizational structures of certain financial institutions. We are unable to predict the likely duration and severity of the continuing disruption in the credit and financial markets or of any related adverse economic conditions. These market conditions may limit our ability to access the capital necessary to grow and maintain our business. Accordingly, we may be forced to delay raising capital, issue shorter tenors than we prefer or pay

unattractive interest rates, which could increase our interest expense, decrease our profitability and significantly reduce our financial flexibility. Overall, our results of operations, financial condition and cash flows could be materially adversely affected by the disruptions in the global credit and financial markets.

***The global economic downturn has had and may continue to have a negative effect on our business and operations.***

The global economic downturn has caused, among other things, a general tightening in the credit markets, lower levels of liquidity, increases in the rates of default and bankruptcy, and lower business spending, all of which have had and may continue to have a negative effect on our business, results of operations, financial condition and liquidity. Many of our customers, distributors and suppliers have been affected by the current economic conditions. Current or potential customers may be unable to fund purchases or may determine to reduce purchases or inventories or may cease to continue in business. In addition, suppliers may not be able to supply us with needed raw materials on a timely basis, may increase prices or go out of business, which could result in our inability to meet customer demand or could affect our gross margins.

Also, availability under our receivables sales facility may be adversely impacted by credit quality and performance of our customer accounts receivable. The availability under the receivable sales facility is based on the amount of receivables that meet the eligibility criteria of the receivables sales facility. As sales decline, receivable losses increase or credit quality deteriorates, the amount of eligible receivables declines and, in turn, lowers the availability under the facility.

The timing, strength or duration of any recovery in the global economic markets remains uncertain, and there can be no assurance that market conditions will improve in the near future or that our results will not continue to be materially and adversely affected. Such conditions make it very difficult to forecast operating results, make business decisions and identify and address material business risks. While our operating results have improved along with the improvement in the economy, there can be no assurance that the economy and our operating results will continue to improve, that the economy will not experience another significant downturn, or that our operating results will not decrease. In such an event, our operating results, financial condition and business could be adversely affected. While we have seen recent signs of recovery, we cannot predict the timing, strength or duration of any economic slowdown or subsequent recovery.

***We have a significant amount of goodwill, and any future goodwill impairment charges could adversely impact our results of operations.***

As of December 31, 2010, we had goodwill of \$164.1 million. The future occurrence of a potential indicator of impairment, such as a significant adverse change in legal factors or business climate, an adverse action or assessment by a regulator, unanticipated competition, a material negative change in relationships with significant

customers, strategic decisions made in response to economic or competitive conditions, loss of key personnel or a more-likely-than-not expectation that a reporting unit or a significant portion of a reporting unit will be sold or disposed of, could result in goodwill impairment charges, which could adversely impact our results of operations. We have recorded goodwill impairment charges in the past, and such charges materially impacted our historical results of operations.

***Poor investment performance by our pension plan assets may increase our pension liability and expense, which may increase the required funding of our pension obligations and divert funds from other potential uses.***

We provide defined benefit pension plans to eligible employees. Our pension expense and our required contributions to our pension plans are directly affected by the value of plan assets, the projected rate of return on plan assets, the actual rate of return on plan assets and the actuarial assumptions we use to measure our defined benefit pension plan obligations, including the rate at which future obligations are discounted to a present value, or the discount rate. As of December 31, 2010, we assumed an 8.5% rate of return on pension assets.

Poor investment performance by our pension plan assets resulting from a decline in the stock market could significantly

increase the deficit position of our plans. Should the assets earn an average return less than 8.5% over time, it is likely that future pension expenses and funding requirements would increase.

We establish the discount rate used to determine the present value of the projected and accumulated benefit obligation at the end of each year based upon the available market rates for high quality, fixed income investments. An increase in the discount rate would reduce the future pension expense and, conversely, a lower discount rate would raise the future pension expense.

Based on current guidelines, assumptions and estimates, including stock market prices and interest rates, we anticipate that we will be required to make a cash contribution of approximately \$24.8 million to our pension plans in 2011.

We cannot predict whether changing market or economic conditions, regulatory changes or other factors will further increase our pension expense or funding obligations, diverting funds we would otherwise apply to other uses.

#### **ITEM 1B. UNRESOLVED STAFF COMMENTS**

We have no outstanding or unresolved comments from the staff of the SEC.



## ITEM 2. PROPERTIES

As of February 1, 2011, we operated facilities in the United States and internationally. Our corporate office is located in Avon Lake, Ohio. We employ approximately 4,000 people and have 49 manufacturing sites and 6 distribution facilities in North America, Europe, Asia, and South America. We also have a joint venture in North America. We own substantially all of our manufacturing sites and lease our distribution facilities. We believe that the quality and production capacity of our facilities is sufficient to maintain our competitive position for the foreseeable future. The following table identifies the principal facilities of our segments:

<b><u>Performance Products and Solutions</u></b>	<b><u>Global Specialty Engineered Materials</u></b>	<b><u>Global Color, Additives and Inks</u></b>	<b><u>PolyOne Distribution</u></b>
1. Long Beach, California Kennesaw, Georgia <sup>(1)</sup>	1. McHenry, Illinois	1. Glendale, Arizona	1. Rancho Cucamonga, California <sup>(4)</sup>
2. Henry, Illinois	2. Avon Lake, Ohio Dyersburg, Tennessee <sup>(1)</sup>	2. Kennesaw, Georgia Suwanee, Georgia <sup>(3)</sup>	2. Chicago, Illinois <sup>(4)</sup>
3. Terre Haute, Indiana	3. North Haven, Connecticut Seabrook, Texas <sup>(1)</sup>	3. Elk Grove Village, Illinois	3. Eagan, Minnesota <sup>(4)</sup>
4. Louisville, Kentucky	4. Gaggenau, Germany	4. St. Louis, Missouri	4. La Porte, Texas <sup>(4)</sup>
5. Sullivan, Missouri	5. Istanbul, Turkey	5. Massillon, Ohio	5. Fife, Washington <sup>(4)</sup>
6. Pedricktown, New Jersey	6. Barbastro, Spain	6. Norwalk, Ohio	6. Brampton, Ontario, Canada <sup>(4)</sup>
7. Avon Lake, Ohio	7. Melle, Germany	7. Lehigh, Pennsylvania	(6 distribution facilities)
8. North Baltimore, Ohio	8. Pamplona, Spain	8. Vonore, Tennessee	
9. Clinton, Tennessee	9 & 10. Suzhou, China <sup>(2)</sup>	9. Toluca, Mexico	
10. Dyersburg, Tennessee	11. Shenzhen, China	10. Assesse, Belgium	
11. Pasadena, Texas	11. Jurong, Singapore <sup>(3)</sup>	11. Cergy, France	
12. Seabrook, Texas	12. Sao Paulo, Brazil <sup>(7)</sup>	12. Tossiat, France	
13. Orangeville, Ontario, Canada	13. Santa Catharina, Brazil <sup>(7)</sup>	13. Bendorf, Germany	<b><u>SunBelt Joint Venture</u></b>
14. St. Remi de Napierville, Quebec, Canada	(13 manufacturing plants)	14. Győr, Hungary	SunBelt Joint Venture — McIntosh, Alabama <sup>(5)</sup>
15. Dongguan, China (15 manufacturing plants)		15. Kutno, Poland	
		16. Mumbai, India	
		Pamplona, Spain <sup>(1)</sup>	
		17. Angered, Sweden	
		18. Bangkok, Thailand	
		19. Pudong (Shanghai), China Shenzhen, China <sup>(1)</sup>	
		Tianjin, China <sup>(3)</sup>	
		20. Sao Paulo, Brazil <sup>(6)</sup>	
		21. Novo Hamburgo, Brazil <sup>(6)</sup>	
		(21 manufacturing plants)	

<sup>(1)</sup> Facility is not included in manufacturing plants total as it is also included as part of another segment.

<sup>(2)</sup> There are two manufacturing plants located at Suzhou, China.

<sup>(3)</sup> Facility is not included in manufacturing plants total as it is a design center/lab.

<sup>(4)</sup> Facility is not owned by PolyOne, however it is included in distribution facility total as it is a primary distribution location.

<sup>(5)</sup> Facility is shared as part of a joint venture, not included in manufacturing plants total.

<sup>(6)</sup> Facility added in connection with the acquisition of Polimaster on October 1, 2010.

<sup>(7)</sup> Facility added in connection with the acquisition of Uniplen on January 3, 2011.

## ITEM 3. LEGAL PROCEEDINGS

In December 2007, the EPA met with the Company to discuss possible violations of the Clean Air Act, the Clean Water Act and the Resource Conservation and Recovery Act at our polyvinyl chloride resin manufacturing facilities located in Henry, Illinois and Pedricktown, New Jersey. Discussions between representatives for the Company and the EPA occurred in 2008, during which we provided additional information as well as our position regarding the compliance status of the facilities and discussed certain modifications to testing procedures and record keeping. In January 2009, we received a letter from the EPA proposing a resolution of any violations identified that would include our payment of penalties in the

amount of \$1.3 million. We continue to discuss with the EPA resolution of these proposed violations on a mutually agreed basis.

In addition to the matters regarding the environment described above and in Item 1. under the heading “Environmental, Health and Safety,” we are involved in various pending or threatened claims, lawsuits and administrative proceedings, all arising from the ordinary course of business concerning commercial, product liability, employment and environmental matters that seek remedies or damages. We believe that the probability is remote that losses in excess of the amounts we have accrued could be materially adverse to our financial position, results of operations or cash flows.

## **ITEM 4. RESERVED**

### **EXECUTIVE OFFICERS OF THE REGISTRANT**

Executive officers are elected by our Board of Directors to serve one-year terms. The following table lists the name of each person currently serving as an executive officer of our company, his age as of February 18, 2011 and his current position with our company:

<b>Name</b>	<b>Age</b>	<b>Position</b>
Stephen D. Newlin	58	Chairman, President and Chief Executive Officer
Robert M. Patterson	38	Executive Vice President and Chief Financial Officer
Bernard P. Baert	61	Senior Vice President, President of Europe and International
Michael E. Kahler	53	Senior Vice President, Chief Commercial Officer
Thomas J. Kedrowski	52	Senior Vice President, Supply Chain and Operations
Craig M. Nikrant	49	Senior Vice President, President of Global Specialty Engineered Materials
Michael L. Rademacher	60	Senior Vice President, President of Distribution
Robert M. Rosenau	56	Senior Vice President, President of Performance Products and Solutions
Kenneth M. Smith	56	Senior Vice President, Chief Information and Human Resources Officer
John V. Van Hulle	53	Senior Vice President, President of Global Color, Additives and Inks

Stephen D. Newlin: Chairman, President and Chief Executive Officer, February 2006 to date. President — Industrial Sector of Ecolab Inc. (a global developer and marketer of cleaning and sanitizing specialty chemicals, products and services) from 2003 to 2006. Mr. Newlin served as President and a Director of Nalco Chemical Company (a manufacturer of specialty chemicals, services and systems) from 1998 to 2001 and was Chief Operating Officer and Vice Chairman from 2000 to 2001. Mr. Newlin serves on the Boards of Directors of Black Hills Corporation and The Valspar Corporation.

Robert M. Patterson: Executive Vice President and Chief Financial Officer, January 2011 to date. Senior Vice President and Chief Financial Officer, May 2008 to January 2011. Vice President and Treasurer of Novelis, Inc. (an aluminum rolled products manufacturer) from 2007 to May 2008. Vice President, Controller and Chief Accounting Officer of Novelis from 2006 to 2007. Mr. Patterson served as Vice President and Segment Chief Financial Officer, Thermal and Flow Technology Segments of SPX Corporation (a multi-industry manufacturer and developer) from 2005 to 2006 and as Vice President and Chief Financial Officer, Cooling Technologies and Services of SPX from 2004 to 2005. Mr. Patterson served as Vice President and Chief Financial Officer of Marley Cooling Tower Company, a cooling tower manufacturer and subsidiary of SPX, from 2002 to 2004.

Bernard P. Baert: Senior Vice President, President of Europe and International, January 2010 to date. Senior Vice President and General Manager, Color and Engineered Materials, Europe and Asia, May 2006 to January 2010. Vice President and General Manager, Colors and Engineered Materials, Europe and Asia, September 2000, upon formation of PolyOne, to April 2006. General Manager, Color Europe, M.A. Hanna Company, 1997 to August 2000.

Michael E. Kahler: Senior Vice President, Chief Commercial Officer, January 2010 to date. Senior Vice President, Commercial Development, May 2006 to January 2010. President, Process Technology Division, Alfa Laval Inc. (a global provider of heat transfer,

separation and fluid handling products and engineering solutions) from January 2004 to March 2006. Group Vice President, Nalco Chemical Company (a manufacturer of specialty chemicals, services and systems) from December 1999 to October 2002.

Thomas J. Kedrowski: Senior Vice President, Supply Chain and Operations, September 2007 to date. Vice President of Strategy and Process Improvement, H.B. Fuller Company (a global manufacturer and marketer of adhesives and specialty chemical products) from November 2005 to April 2007. Vice President of Global Operations, H.B. Fuller Company from February 2002 to November 2005.

Craig M. Nikrant: Senior Vice President, President of Global Specialty Engineered Materials, January 2010 to date. Vice President and General Manager, Specialty Engineered Materials, September 2006 to December 2009. General Manager, Specialty Film & Sheet, General Electric Plastics, June 2004 to September 2006. Director, Global Commercial Effectiveness, General Electric Plastics (a former division of General Electric specializing in supplying plastics), December 2003 to June 2004. Six Sigma Master Black Belt, General Electric Company Plastics Business, March 2001 to December 2002. General Manager, Commercial Operations, North Central Region, General Electric Plastics, June 1999 to March 2001.

Michael L. Rademacher: Senior Vice President, President of Distribution, January 2010 to date. Senior Vice President and General Manager, Distribution, May 2006 to January 2010. Vice President and General Manager, PolyOne Distribution, September 2000, upon formation of PolyOne, to April 2006. Senior Vice President — Plastics Americas, M.A. Hanna Company, January 2000 to August 2000. Vice President and General Manager, Industrial Chemical and Solvents Division, Ashland Chemical Company (chemical manufacturing and distribution), 1998 to January 2000.

Robert M. Rosenau: Senior Vice President, President of Performance Products and Solutions, January 2010 to date. Senior Vice President and General Manager, Performance Products and

Solutions, June 2008 to January 2010, Senior Vice President and General Manager, Vinyl Business, May 2006 to June 2008. Vice President and General Manager, Vinyl Compounds, January 2003 to April 2006. General Manager, Extrusion Products, September 2000 to December 2002. General Manager, Custom Profile Compounds, The Geon Company, April 1998 to August 2000.

Kenneth M. Smith: Senior Vice President, Chief Information and Human Resources Officer, May 2006 to date. Chief Human Resources Officer, January 2003 to date, and Vice President and Chief Information Officer, September 2000, upon formation of PolyOne, to April 2006. Vice President, Information Technology,

The Geon Company, May 1999 to August 2000, and Chief Information Officer, August 1997 to May 1999.

John V. Van Hulle: Senior Vice President, President of Global Color, Additives and Inks, January 2010 to date. Senior Vice President and General Manager, Specialty Color, Additives and Inks, July 2006 to January 2010. President and Chief Executive Officer — ChemDesign Corporation (a custom chemical manufacturer), December 2001 to July 2006. President, Specialty & Fine Chemicals — Cambrex Corporation (a specialty chemical and pharmaceutical business) August 1994 to November 2000.

## PART II

### ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

The following table sets forth the range of the high and low sale prices for our common shares, \$0.01 par value per share, as reported by the New York Stock Exchange, where the shares are traded under the symbol "POL," for the periods indicated:

	2010 Quarters				2009 Quarters			
	Fourth	Third	Second	First	Fourth	Third	Second	First
Common share price:								
High	\$13.99	\$12.59	\$11.89	\$10.65	\$7.74	\$7.19	\$3.65	\$3.56
Low	\$11.58	\$ 7.38	\$ 8.38	\$ 6.93	\$5.45	\$2.50	\$2.23	\$1.32

As of February 15, 2011, there were 2,346 holders of record of our common shares.

We did not pay dividends in 2010 or 2009. Future declarations of dividends on common shares are at the discretion of the Board of Directors, and the declaration of any dividends will depend on, among other things, earnings, capital requirements and our financial position, results of operations and cash flows. Additionally, the agreements that govern our receivables sale facility contain restrictions that could limit our ability to pay future dividends.

### ITEM 6. SELECTED FINANCIAL DATA

You should refer to Item 7., "Management's Discussion and Analysis of Financial Condition and Results of Operations," in Part II of this Annual Report on Form 10-K and the notes to our accompanying consolidated financial statements for additional information regarding the financial data presented below, including matters that might cause this data not to be indicative of our future financial condition, results of operations or cash flows.

(In millions, except per share data)	2010 <sup>(1)</sup>	2009 <sup>(2)</sup>	2008 <sup>(3)</sup>	2007	2006 <sup>(4)</sup>
Sales	\$2,621.9	\$2,060.7	\$2,738.7	\$2,642.7	\$2,622.4
Operating income (loss)	\$ 174.3	\$ 80.1	\$ (133.9)	\$ 43.8	\$ 176.9
Income (loss) before discontinued operations	\$ 111.0	\$ 49.5	\$ (260.2)	\$ 17.8	\$ 98.1
Discontinued operations	—	—	—	—	(2.7)
Net income (loss)	\$ 162.6	\$ 49.5	\$ (260.2)	\$ 17.8	\$ 95.4
Basic earnings (loss) per common share:					
Before discontinued operations	\$ 1.75	\$ 0.54	\$ (2.81)	\$ 0.19	\$ 1.06
Discontinued operations	—	—	—	—	(0.03)
Basic and diluted earnings (loss) per common share	\$ 1.75	\$ 0.54	\$ (2.81)	\$ 0.19	\$ 1.03
Diluted earnings (loss) per common share:					
Before discontinued operations	\$ 1.69	\$ 0.53	\$ (2.81)	\$ 0.19	\$ 1.06
Discontinued operations	—	—	—	—	(0.03)
Diluted earnings (loss) per common share	\$ 1.69	\$ 0.53	\$ (2.81)	\$ 0.19	\$ 1.03
Total assets	\$1,671.9	\$1,416.0	\$1,320.1	\$1,630.0	\$1,817.9
Long-term debt, net of current portion	\$ 432.9	\$ 389.2	\$ 408.3	\$ 308.0	\$ 567.7

- (1) Included in net income for 2010 are: 1) gains of \$23.9 million related to legal and insurance settlements, 2) a gain of \$16.3 million related to the sale of our 50% interest in BayOne, 3) debt extinguishment costs of \$29.5 million, and 4) tax benefits of \$107.1 million associated with the reversal of our valuation allowance.
- (2) Included in operating income for 2009 results are charges of \$27.2 million related to employee separation and plant phase-out and benefits of \$23.9 million related to reimbursement of previously incurred environmental expenses and \$21.1 million related to a curtailment gain from amendments to certain of our employee benefit plans.
- (3) Included in operating expense for 2008 results are charges of \$39.7 million related to employee separation and plant phase-out and \$170.0 million related to goodwill impairment. Included in net loss for 2008 are charges of \$90.3 million to record deferred a deferred tax valuation allowance.
- (4) In February 2006, we sold 82% of our Engineered Films business. This business was previously reported as discontinued operations and is recognized as such in our historical results.

## **ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS**

### **Overview**

Management's Discussion and Analysis of Financial Condition and Results of Operations (MD&A) is designed to provide information that is supplemental to, and should be read together with, our consolidated financial statements and the accompanying notes contained in this Annual Report on Form 10-K. Information in this Item 7 is intended to assist the reader in obtaining an understanding of our consolidated financial statements, the changes in certain key items in those financial statements from year to year, the primary factors that accounted for those changes, and any known trends or uncertainties that we are aware of that may have a material effect on our future performance, as well as how certain accounting principles affect our consolidated financial statements. MD&A includes the following sections:

- Our Business
  - Business Model and Key Concepts
  - Key Challenges
  - Strategy and Key Trends
  - Recent Developments
- Highlights and Executive Summary
- Results of Operations — an analysis of our consolidated results of operations for the three years presented in our consolidated financial statements
- Liquidity and Capital Resources — an analysis of the effect of our operating, financing and investing activities on our liquidity and capital resources
- Off-Balance Sheet Arrangements — a discussion of such arrangements
- Contractual Obligations — a summary of our aggregate contractual obligations
- Critical Accounting Policies and Estimates — a discussion of accounting policies that require significant judgments and estimates

The following discussion contains forward-looking statements that reflect our plans, estimates and beliefs. Our actual results could differ materially from those discussed in these forward-looking statements. Factors that could cause or contribute to these differences include, but are not limited to, those discussed below and elsewhere in this Annual Report on Form 10-K particularly in "Cautionary Note On Forward-Looking Statements" and Item 1A., "Risk Factors."

### **Our Business**

We are a premier provider of specialized polymer materials, services and solutions with operations in thermoplastic compounds, specialty polymer formulations, color and additive systems, thermoplastic resin distribution and specialty vinyl resins. We also have an equity investment that manufactures caustic soda and chlorine. Headquartered in Avon Lake, Ohio, with 2010 sales of \$2.6 billion, we have manufacturing sites and distribution facilities in North America, Europe, Asia and South America and a joint venture in North America. We currently employ approximately 4,000 people and offer more than 36,000 polymer solutions to over 10,000 customers across the globe. We provide value to our customers through our ability to link our knowledge of polymers and formulation technology with our manufacturing and supply chain to provide an essential link between large chemical producers (our raw material suppliers) and designers, assemblers and processors of plastics (our customers).

### ***Business Model and Key Concepts***

The central focus of our business model is to provide specialized material and service solutions to our customers by leveraging our global footprint, product and technology breadth, manufacturing expertise, fully integrated information technology network, broad market reach and raw material procurement strength. These resources enable us to capitalize on dynamic changes in the end markets we serve, which include appliances, building and construction materials, electrical and electronics, medical, industrial, packaging, transportation, and wire and cable markets.

### ***Key Challenges***

Overall, our business faces issues resulting from the recent economic downturn, especially as it relates to affected markets such as building and construction and transportation. Maintaining profitability during periods of raw material price volatility is another critical

challenge. Further, we need to capitalize on the opportunity to accelerate development of products that meet a growing body of environmental laws and regulations such as lead and phthalate restrictions included in the Restrictions on the Use of Certain Hazardous Substances and the Consumer Product Safety Information Act of 2008.

### **Strategy and Key Trends**

To address these challenges and achieve our vision, we have implemented a strategy with four core components: specialization, globalization, operational excellence and commercial excellence. Specialization differentiates us through products, services, technology, and solutions that add value. Globalization allows us to service our customers with consistency wherever their operations might be around the world. Operational excellence empowers us to respond to the voice of the customer while focusing on continuous improvement. Commercial excellence enables us to deliver value to customers by supporting their growth and profitability.

In the short term, we will maintain our focus on top-line growth, improving or maintaining the cost/price relationship with regard to raw materials and improving working capital efficiency. In addition to driving top-line growth, we have established margin improvement targets for all businesses. In 2011, most of our capital expenditures will be focused on supporting sales growth, integrating information systems, and other strategic investments. We also continue to consider acquisitions and other synergy opportunities that complement our core platforms. These actions will ensure that we continue to invest in capabilities that advance the pace of our transformation and continue to support growth in key markets and product offerings.

We will continue our enterprise-wide Lean Six Sigma program directed at improving profitability and cash flow by applying proven management techniques and strategies to key areas of the business, such as pricing, supply chain and operations management, productivity and quality.

Long-term trends that currently provide opportunities to leverage our strategy include the drive toward sustainability in polymers and their processing, the emergence of biodegradable and bio-based polymers, consumer concern over the use of bisphenol-A (BPA) in infant-care products and developing legislation that bans lead and certain phthalates from toys and child-care items.

### **Recent Developments**

#### **Brazilian Acquisitions**

On October 1, 2010, we acquired substantially all of the assets of Polimaster, a specialty color business in Brazil for a cash purchase price of \$3.3 million paid at close, resulting in goodwill of \$0.4 million. Polimaster had sales of approximately \$4.0 million for the year ended December 31, 2009. Our purchase price allocation is preliminary as of December 31, 2010. Polimaster's results of operations since the acquisition date are included within Global Color, Additives & Inks.

On January 3, 2011, we acquired the assets of Uniplen, a leading Brazilian producer of specialty engineered materials and distributor of thermoplastics. The Uniplen transaction was completed for an upfront cash purchase price of \$21 million with a potential for further consideration payable over the next three years based on achieving certain performance metrics. Uniplen recorded revenues of approximately \$34 million in 2010. Uniplen's results of operations will be included within Global Specialty Engineered Materials.

These acquired businesses serve customers in an array of end markets, including consumer, transportation and durable goods.

#### **Sale of BayOne Joint Venture Interest**

On November 30, 2010, we sold our investment in BayOne, previously a 50% owned equity affiliate and part of Global Color, Additives and Inks, to Bayer MaterialScience LLC. We received cash proceeds of \$19.3 million and recorded a pre-tax gain of \$16.3 million in our fourth quarter 2010 results of operations.

#### **Issuance of 7.375% Senior Notes and Debt Extinguishment**

In September 2010, we issued \$360 million aggregate principal amount of senior unsecured notes at par. The notes mature in September 2020 and bear interest at 7.375% per annum, payable semi-annually in arrears on March 15th and September 15th of each year. Deferred financing costs from the issuance of \$7.3 million are included in *Other non-current assets* and will be amortized over the term of the senior unsecured notes. We used a portion of the net proceeds from these notes to repurchase \$257.1 million aggregate principal amount of our 8.875% senior notes due May 2012 at a premium of \$25.7 million in a tender offer. The tender premium, \$0.7 million of other debt extinguishment costs and the write off of deferred note issuance costs of \$1.7 million are shown within the *Debt Extinguishment Costs* line in our Consolidated Statement of Operations.

On July 7, 2010, we fully repaid \$40 million of outstanding borrowings and terminated our credit agreement, dated January 3, 2008, with Citicorp USA, Inc. (the Credit Agreement). The Credit Agreement provided for an unsecured revolving and letter of credit facility with total commitments of up to \$40 million and was scheduled to expire on March 20, 2011. In connection with the repayment of this facility, we incurred \$1.4 million of debt extinguishment costs.

### **Highlights and Executive Summary**

#### **Selected Financial Data**

(In millions)	2010	2009	2008
Sales	\$2,621.9	\$2,060.7	\$2,738.7
Operating income (loss)	\$ 174.3	\$ 80.1	\$ (133.9)
Net income (loss)	\$ 162.6	\$ 49.5	\$ (260.2)
Cash and cash equivalents	\$ 378.1	\$ 222.7	\$ 44.3
Accounts receivable availability	128.2	112.8	121.4
Liquidity	\$ 506.3	\$ 335.5	\$ 165.7
Debt, short- and long-term	\$ 452.9	\$ 409.6	\$ 434.3

### **2010 vs. 2009**

The increase in sales was primarily attributable to an 18.2% increase in volume in 2010 as compared to 2009, reflecting improved demand levels across all end markets, most notably in the transportation, consumer, building and construction and health-care end markets. Additionally, sales were impacted by increased market pricing associated with raw material inflation of approximately 9% in 2010.

Operating income increased \$94.2 million in 2010 compared to 2009 due to the increase in sales and improved operating margin driven by ongoing efficiency gains from our Lean Six Sigma initiatives. Additionally, operating income in 2010 included gains of \$23.9 million from insurance and legal settlements and \$16.3 million associated with the sale of our 50% interest in BayOne, compared to 2009 gains of \$23.9 million for insurance settlements, \$21.9 million associated with the curtailment of certain of our employee benefit plans, and \$2.8 million related to the sale of our 50% interest in GPA, a former equity affiliate. We recognized charges of \$3.1 million related to restructuring and employee separation in 2010 as compared to \$27.2 million in 2009. Our operating income for 2009 also included a \$5.0 million charge related to an adjustment of our 2008 estimated goodwill impairment charge, whereas no such charge was incurred in 2010. Changes in currency exchange rates unfavorably impacted operating income by \$1.5 million in 2010 as compared to 2009, driven primarily by changes in the value of the Euro.

Net income increased in 2010 primarily due to the items discussed above. Partially offsetting the favorable items was \$29.5 million of debt extinguishment costs. Income tax expense decreased in 2010 as compared to 2009 primarily due to the utilization of net operating loss carryforwards and the reversal of the valuation allowance associated with our U.S. deferred tax assets of \$107.1 million in 2010, partially offset by increased tax expense associated with our improved operating results.

Since December 31, 2009, liquidity increased by \$170.8 million driven by the increase in our cash balance and the increased availability under our accounts receivable facility.

### **2009 vs. 2008**

The decrease in sales was primarily attributable to a 21.6% decline in volume in 2009 as compared to 2008, reflecting the adverse

impact of the global recession on demand levels across all end markets. Particularly hardest hit were the transportation and building and construction end markets. Additionally, changes in currency exchange rates had a negative impact on sales of approximately 3% in 2009.

The improvement in operating income for 2009 reflects the favorable impact of higher margin business gains, lower raw material costs and the realization of restructuring savings. These factors more than offset the impact of the decrease in volumes and the negative impact of changes in currency exchange rates in 2009. Operating income in 2009 also included gains of \$21.9 million associated with the curtailment of certain of our employee benefit plans, \$23.9 million related to the reimbursement of previously incurred environmental costs and a \$2.8 million gain associated with the sale of our interest in a previously 50% owned equity affiliate, GPA. We recognized charges of \$27.2 million related to restructuring and employee separation in 2009 as compared to \$39.7 million in 2008. Our operating income was also negatively impacted by a \$170.0 million goodwill impairment charge in 2008, and a subsequent \$5.0 million charge to finalize this preliminary estimate in the first quarter of 2009. Changes in currency exchange rates unfavorably impacted operating income by \$5.2 million in 2009 as compared to 2008, driven primarily by changes in the U.S. dollar versus the Euro and Canadian dollar.

The increase in net income in 2009 as compared to 2008 was primarily due to the items discussed in the paragraph above. Additionally, net interest expense was lower in 2009 than in the prior year primarily due to lower average interest rates on our variable rate debt and a lower average debt balance. Income tax benefit was \$13.3 million in 2009 as compared to expense of \$84.5 million in 2008 as the 2008 amount reflects a \$90.3 million charge to record a tax valuation allowance.

Compared to December 31, 2008, our liquidity increased by \$169.8 million to \$335.5 million as the increase in our cash balance has more than offset the decrease in our borrowing capacity under the accounts receivable facility. The increase in cash and cash equivalents of \$178.4 million was primarily the result of improved earnings coupled with substantially lower working capital investment at December 31, 2009 as compared to December 31, 2008.

## Results of Operations

(Dollars in millions, except per share data)	Variances—Favorable (Unfavorable)						
				2010 versus 2009		2009 versus 2008	
	2010	2009	2008	Change	% Change	Change	% Change
Sales	\$2,621.9	\$2,060.7	\$2,738.7	\$ 561.2	27.2%	\$(678.0)	(24.8)%
Cost of sales	2,193.0	1,738.5	2,446.7	(454.5)	(26.1)%	708.2	28.9%
Gross margin	428.9	322.2	292.0	106.7	33.1%	30.2	10.3%
Selling and administrative	296.6	272.3	287.1	(24.3)	(8.9)%	14.8	5.2%
Impairment of goodwill	—	5.0	170.0	5.0	NM	165.0	NM
Income related to equity affiliates	42.0	35.2	31.2	6.8	19.3%	4.0	12.8%
Operating income (loss)	174.3	80.1	(133.9)	94.2	117.6%	214.0	NM
Interest expense, net	(31.5)	(34.3)	(37.2)	2.8	8.2%	2.9	7.8%
Premium on early extinguishment of long-term debt	(29.5)	—	—	(29.5)	NM	—	—
Other expense, net	(2.3)	(9.6)	(4.6)	7.3	76.0%	(5.0)	(108.7)%
Income (loss) before income taxes	111.0	36.2	(175.7)	74.8	206.6%	211.9	NM
Income tax (expense) benefit	51.6	13.3	(84.5)	38.3	NM	97.8	NM
Net income (loss)	\$ 162.6	\$ 49.5	\$ (260.2)	\$ 113.1	228.5%	\$ 309.7	NM
Basic earnings (loss) per common share:	\$ 1.75	\$ 0.54	\$ (2.81)				
Diluted earnings (loss) per common share:	\$ 1.69	\$ 0.53	\$ (2.81)				

NM — Not meaningful

### Sales

Sales increased 27.2% in 2010 as compared to 2009, due primarily to an increase in volumes of 18.2% and increased market pricing associated with raw material inflation. Sales increased across many of our end markets in 2010 as compared to 2009, led by gains in the transportation, consumer, building and construction, and healthcare end markets.

Sales decreased 24.8% in 2009, as compared to 2008, due to a decrease in volume of 21.6% and the unfavorable impact of foreign exchange on sales of approximately 3%. All segments experienced a decline in sales in 2009. The end markets most impacted globally were transportation and building and construction.

### Cost of Sales

These costs include raw materials, plant conversion, distribution, environmental remediation and plant related restructuring charges. Cost of sales declined to 83.6% of sales in 2010 as compared to 84.4% in 2009. Cost of sales in 2010 was favorably impacted by the realization of savings associated with the previously announced plant realignment activities and savings associated with our Lean Six Sigma initiatives. Cost of sales in 2010 and 2009 reflects gains of \$21.4 million and \$23.9 million, respectively, associated with legal and insurance settlements. Charges related to environmental remediation and plant related restructuring in cost of sales totaled \$22.5 million in 2010 as compared to \$36.1 million in 2009. In addition, cost of sales increased as a percentage of sales due to mix changes, principally due to increased sales from our Distribution business, which has lower gross margin percentages than our other businesses. Distribution sales increased from 30.3% to 34.8% of total PolyOne sales in 2010 as compared to 2009.

As a percentage of sales, these costs declined to 84.4% of sales in 2009 as compared to 89.3% in 2008. Cost of sales in 2009 includes a gain of \$23.9 million associated with the reimbursement of previously incurred environmental costs. Charges related to environmental remediation and plant related restructuring were \$36.1 million in 2009 as compared to \$44.9 million in 2008. Lower raw material costs and the realization of restructuring savings favorably impacted cost of goods sold in 2009 as compared to 2008.

### Selling and Administrative

These costs include selling, technology, administrative functions and corporate and general expenses. Selling and administrative costs in 2009 includes curtailment gains of \$21.9 million associated with the phase out of certain of our other post-retirement benefit plans. In 2010, these costs were favorably impacted by lower pension and other post-employment benefit expenses and savings associated with our previously announced restructuring activities.

Selling and administrative costs decreased \$14.8 million, or 5.2%, in 2009 as compared to 2008. Favorably impacting selling and administrative costs was \$21.9 million of curtailment gains, \$7.6 million less employee separation and plant phase-out costs, a decrease in insurance and bad debt expense and savings from our restructuring activities. These favorable items were partially offset by increased pension expense.

### Impairment of Goodwill

During the fourth quarter of 2008, we identified indicators of potential impairment and evaluated the carrying values of goodwill and other intangible and long-lived assets. Due to the extensive work involved in performing the related asset appraisals, we initially recognized a preliminary estimate of the impairment loss of



\$170 million in 2008. Upon completion of the analysis in the first quarter of 2009, we revised our estimate of goodwill impairment to \$175 million, and, accordingly, we recorded \$5.0 million of additional goodwill impairment. There were no such charges in 2010.

### **Income Related to Equity Affiliates**

Income related to equity affiliates for 2010, 2009 and 2008 is summarized as follows:

(In millions)	2010	2009	2008
SunBelt	\$23.1	\$29.7	\$32.5
Other equity affiliates	2.6	2.7	3.4
Gain on sale of investment in BayOne	16.3	—	—
Gain on sale and (charges) related to investment in GPA	—	2.8	(4.7)
	<u>\$42.0</u>	<u>\$35.2</u>	<u>\$31.2</u>

During 2010, Income related to equity affiliates increased as compared to 2009 due to a gain of \$16.3 million from the sale of our 50% investment in BayOne, partially offset by lower earnings from our SunBelt joint venture. The decrease in earnings from our SunBelt joint venture were driven primarily by lower caustic soda prices, partially offset by the favorable impact of increased volume for caustic soda and improved pricing and volume for chlorine as compared to 2009.

During 2009, Income related to equity affiliates increased \$4.0 million, or 12.8%, as compared to 2008. In 2008, we recorded \$4.7 million of charges related to our investment in GPA, a 50% owned equity affiliate. In 2009, we sold our investment in GPA, resulting in a pre-tax gain of \$2.8 million. Additionally, lower earnings from our SunBelt joint venture for 2009 were due primarily to lower pricing for caustic soda, partially offset by an increase in pricing and volume for chlorine as compared to 2008.

### **Interest Expense, Net**

Interest expense, net decreased in 2010 as compared to 2009 due primarily to lower average borrowing levels. Interest expense, net decreased in 2009 as compared to 2008 due to lower average borrowing levels and lower interest rates on our variable rate debt.

Included in interest expense, net for the years ended December 31, 2010, 2009 and 2008 is interest income of \$2.9 million, \$3.2 million and \$3.4 million, respectively.

### **Premium on Early Extinguishment of Long-term Debt**

Debt extinguishment costs include costs related to the repurchase of our 8.875% senior notes due 2012 in a tender offer and costs associated with the repayment of our \$40 million credit facility. We incurred \$25.7 million of premiums related to our tender offer from which we extinguished \$257.1 million aggregate principal amount of our 8.875% senior notes. In addition, we wrote off \$1.7 million of deferred financing fees and incurred other extinguishment costs of \$0.7 million. In connection with the repayment of our \$40 million credit facility, we incurred extinguishment costs of \$1.4 million.

### **Other Expense, Net**

Financing costs associated with our receivables sale facility, foreign currency gains and losses and other miscellaneous items are as follows:

(In millions)	2010	2009	2008
Currency exchange (loss) gain	\$(5.6)	\$(0.1)	\$ 1.2
Foreign exchange contracts gain (loss)	3.8	(7.9)	(1.3)
Fees and discount on sale of trade receivables	(1.1)	(1.3)	(3.6)
Impairment of available for sale security	—	—	(0.6)
Other income (expense), net	0.6	(0.3)	(0.3)
	<u>\$ (2.3)</u>	<u>\$ (9.6)</u>	<u>\$ (4.6)</u>

### **Income Tax (Expense) Benefit**

In 2010, we recorded an income tax benefit of \$51.6 million primarily related to a tax valuation allowance reversal totaling \$107.1 million. In 2009, we recorded a tax benefit of \$13.3 million related primarily to tax refunds in both U.S. and foreign jurisdictions.

In the fourth quarter of 2010, we determined that it is more likely than not that we will realize the benefit from our remaining U.S. deferred tax assets. During the year, we recorded a \$107.1 million reversal of valuation allowance. This amount is comprised of a \$32.1 million utilization of net operating loss carryforwards in 2010 and a \$75.0 million reversal associated with our determination that it is more likely than not that the deferred tax assets will be realized. At December 31, 2010, we had remaining valuation allowances of \$18.1 million pertaining to various state and foreign jurisdictions. We increased our existing valuation allowances for foreign deferred tax assets by \$0.7 million. We review all valuation allowances related to deferred tax assets and adjust these reserves as necessary.

In 2009, we recorded tax benefit of \$13.3 million related primarily to tax refunds in both U.S. and foreign jurisdictions. We also decreased our existing deferred tax asset valuation allowances related to various U.S. federal, state and foreign deferred tax assets by \$47.9 million in 2009, resulting in a non-cash tax benefit of \$17.1 million. The \$17.1 million decrease in our valuation allowance resulted from generation of \$36.2 million of pretax income, allowing for utilization of deferred tax assets related to prior years' net operating losses, which were fully reserved; changes in other timing differences; and realization of tax credits for which a valuation allowance was no longer required. The remaining decrease of \$30.8 million related primarily to changes in our liabilities for pensions and other post-retirement benefits, for which the tax impact is recorded in accumulated other comprehensive income.

In 2008, we recorded income tax expense of \$101.8 million primarily related to tax valuation allowances recorded in the fourth quarter totaling \$105.9 million.

We have U.S. federal net operating loss carryforwards of \$22.1 million which expire at various dates from 2024 through 2028 and combined state net operating loss carryforwards of \$272.9 million which expire at various dates from 2011 through 2029. Various foreign subsidiaries have net operating loss

carryforwards totaling \$35.9 million which expire at various dates from 2011 through 2020. We have provided valuation allowances of \$15.6 million against these loss carryforwards.

### **Segment Information**

Operating income is the primary financial measure that is reported to the chief operating decision maker for purposes of making decisions about allocating resources to the segment and assessing its performance. Operating income at the segment level does not include: corporate general and administrative costs that are not allocated to segments; intersegment sales and profit eliminations; charges related to specific strategic initiatives, such as the consolidation of operations; restructuring activities, including employee separation costs resulting from personnel reduction programs,

plant closure and phase-out costs; executive separation agreements; share-based compensation costs; asset and goodwill impairments; environmental remediation costs for facilities no longer owned or closed in prior years; gains and losses on the divestiture of joint ventures and equity investments; and certain other items that are not included in the measure of segment profit or loss that is reported to and reviewed by the chief operating decision maker. These costs are included in *Corporate and eliminations*.

We operate in five reportable segments: (1) Global Specialty Engineered Materials; (2) Global Color, Additives and Inks; (3) Performance Products and Solutions; (4) PolyOne Distribution; and (5) SunBelt Joint Venture. Our segments are further discussed in Note 16, *Segment Information*, to the accompanying consolidated financial statements.

## Sales and Operating Income (Loss) — 2010 compared with 2009:

(Dollars in millions)	2010	2009	Change	% Change
Sales:				
Global Specialty				
Engineered Materials	\$ 517.4	\$ 402.9	\$114.5	28.4%
Global Color, Additives and Inks	527.4	459.8	67.6	14.7%
Performance Products and Solutions	776.3	667.7	108.6	16.3%
PolyOne Distribution	911.9	625.1	286.8	45.9%
Corporate and eliminations	(111.1)	(94.8)	(16.3)	(17.2)%
	<u>\$2,621.9</u>	<u>\$2,060.7</u>	<u>\$561.2</u>	<u>27.2%</u>
Operating income (loss):				
Global Specialty				
Engineered Materials	\$ 49.7	\$ 20.6	\$ 29.1	141.3%
Global Color, Additives and Inks	37.7	25.2	12.5	49.6%
Performance Products and Solutions	54.0	33.1	20.9	63.1%
PolyOne Distribution	42.0	24.8	17.2	69.4%
SunBelt Joint Venture	18.9	25.5	(6.6)	(25.9)%
Corporate and eliminations	(28.0)	(49.1)	21.1	(43.0)%
	<u>\$ 174.3</u>	<u>\$ 80.1</u>	<u>\$ 94.2</u>	<u>117.6%</u>
Operating income (loss) as a percentage of sales:				
Global Specialty				
Engineered Materials	9.6%	5.1%	4.5% points	
Global Color, Additives and Inks	7.1%	5.5%	1.6% points	
Performance Products and Solutions	7.0%	5.0%	2.0% points	
PolyOne Distribution	4.6%	4.0%	0.6% points	
Total	<u>6.6%</u>	<u>3.9%</u>	<u>2.7% points</u>	

### Global Specialty Engineered Materials

Sales increased \$114.5 million, or 28.4%, in 2010 compared to 2009 primarily due to improved demand in our end markets. Volumes increased 18.5% as compared to 2009 led by growth in the electrical and electronics, industrial, transportation and consumer end markets. Pricing and mix of products sold also favorably impacted sales by 11.1% while changes in currency exchange rates reduced sales approximately 1%.

Operating income increased \$29.1 million in 2010 as compared to 2009 primarily due to increased volumes, improved sales mix and ongoing savings from our Lean Six Sigma initiatives. These items were partially offset by an increase in selling and administrative costs.

### Global Color, Additives and Inks

Sales increased \$67.6 million, or 14.7%, in 2010 compared to 2009 due to an increase in volumes, a higher value sales mix and new business gains. Volumes increased 9.6% as compared to 2009, with increases in most of our end markets, led by the industrial, packaging and transportation end markets. Pricing and mix of products sold also favorably impacted sales by 6.6% while changes in currency exchange rates reduced sales approximately 1%.

Operating income increased \$12.5 million in 2010 as compared to 2009 driven by increased volumes, improved sales mix and ongoing savings from our Lean Six Sigma initiatives.. These items were partially offset by an increase in selling and administrative costs.

### Performance Products and Solutions

Sales increased \$108.6 million, or 16.3%, in 2010 compared to 2009. Volumes increased 18.1% compared to 2009, led by improvements in the automotive, wire and cable and packaging end markets, which more than offset the slower than forecasted recovery in the building and construction end markets. Mix changes reduced revenues approximately 2% as sales from our Producer Services business, which maintains an average selling price half that of consolidated Performance Products and Solutions, increased revenue 19% as compared to 2009.

Operating income increased \$20.9 million in 2010 compared to 2009 primarily due to the increased volumes, improved sales mix and ongoing savings from our Lean Six Sigma initiatives.

### PolyOne Distribution

PolyOne Distribution sales increased \$286.8 million, or 45.9%, in 2010 compared to 2009, reflecting a 19.9% increase in volume led by new business gains and improvements in industrial, transportation, consumer and healthcare end markets. The remainder of the increase in sales was due to increased market pricing associated with raw material inflation and mix.

Operating income increased \$17.2 million in 2010 compared to 2009 due to the increase in volume and leveraging our commercial and logistics infrastructure. These items were partially offset by an increase in selling and administrative costs.

### SunBelt Joint Venture

Income from the SunBelt Joint Venture declined \$6.6 million in 2010 compared to 2009 driven primarily by lower caustic soda prices, partially offset by the favorable impact of increased volume for caustic soda and improved pricing and volume for chlorine.

## Corporate and Eliminations

The following table breaks down Corporate and eliminations into its various components for 2010 and 2009:

(In millions)	Year Ended December 31, 2010	Year Ended December 31, 2009
Curtailment of post-retirement health care plan and other <sup>(a)</sup>	\$ —	\$ 21.9
Gains from insurance and legal settlements <sup>(b)</sup>	23.9	23.9
Impairment of goodwill <sup>(c)</sup>	—	(5.0)
Environmental remediation costs	(20.5)	(11.7)
Employee separation and plant phase-out <sup>(d)</sup>	(3.1)	(27.2)
Gain on sale related to investment in equity affiliate <sup>(e)</sup>	16.3	2.8
Incentive compensation	(30.3)	(24.2)
Unallocated pension and post-retirement medical benefit (expense)	4.1	(13.6)
All other and eliminations <sup>(f)</sup>	(18.4)	(16.0)
<b>Total Corporate and eliminations</b>	<b>\$(28.0)</b>	<b>\$(49.1)</b>

<sup>(a)</sup> In 2009, we amended certain of our post-retirement healthcare plans whereby benefits to be paid under these plans will be phased out through 2012, resulting in a curtailment gain of \$21.1 million.

We also recorded curtailment gains totaling approximately \$0.8 million related to other employee benefit plans.

<sup>(b)</sup> We recorded gains associated with legal and insurance settlements of \$23.9 million in 2010 and 2009. These settlements related to the reimbursement of previously incurred environmental costs and proceeds from workers' compensation insurance claims.

<sup>(c)</sup> In 2009, we increased our estimated year-end goodwill impairment charge of \$170.0 million by \$5.0 million, which is comprised of an increase of \$12.4 million related to our Specialty Coatings reporting unit and a decrease of \$7.4 million to our Geon Compounds reporting unit, both of which are within Performance Products and Solutions.

<sup>(d)</sup> During the third quarter of 2008 and subsequently in January 2009, we announced the restructuring of certain manufacturing assets, primarily in North America. See Note 3, *Employee Separation and Plant Phase-out*, to the accompanying consolidated financial statements for further information.

<sup>(e)</sup> On November 30, 2010, we sold our 50% interest in BayOne, previously part of our Global Color, Additives and Inks, to Bayer MaterialScience LLC. On October 13, 2009, we sold our 50% interest in GPA, previously part of Performance Products and Solutions, to Mexichem Compuestos, S.A. de C.V, resulting in a pre-tax gain of approximately \$2.8 million in our 2009 results of operations.

<sup>(f)</sup> All other and eliminations is comprised of intersegment eliminations and corporate general and administrative costs that are not allocated to segments.

**Sales and Operating Income (Loss) — 2009 compared with 2008:**

<u>(Dollars in millions)</u>	<u>2009</u>	<u>2008</u>	<u>Change</u>	<u>% Change</u>
Sales:				
Global Specialty Engineered Materials	\$ 402.9	\$ 514.0	\$(111.1)	(21.6)%
Global Color, Additives and Inks	459.8	554.3	(94.5)	(17.0)%
Performance Products and Solutions	667.7	1,001.4	(333.7)	(33.3)%
PolyOne Distribution	625.1	796.7	(171.6)	(21.5)%
Corporate and eliminations	(94.8)	(127.7)	32.9	25.8%
	<u>\$2,060.7</u>	<u>\$2,738.7</u>	<u>\$(678.0)</u>	<u>(24.8)%</u>
Operating income (loss):				
Global Specialty Engineered Materials	\$ 20.6	\$ 17.6	\$ 3.0	17.0%
Global Color, Additives and Inks	25.2	28.1	(2.9)	(10.3)%
Performance Products and Solutions	33.1	31.3	1.8	5.8%
PolyOne Distribution	24.8	28.1	(3.3)	(11.7)%
SunBelt Joint Venture	25.5	28.6	(3.1)	(10.8)%
Corporate and eliminations	(49.1)	(267.6)	218.5	(81.7)%
	<u>\$ 80.1</u>	<u>\$ (133.9)</u>	<u>\$ 214.0</u>	<u>NM</u>
Operating income (loss) as a percentage of sales:				
Global Specialty Engineered Materials	5.1%	3.4%	1.7% points	
Global Color, Additives and Inks	5.5%	5.1%	0.4% points	
Performance Products and Solutions	5.0%	3.1%	1.9% points	
PolyOne Distribution	4.0%	3.5%	0.5% points	
<u>Total</u>	<u>3.9%</u>	<u>(4.9)%</u>	<u>8.8% points</u>	

NM — Not meaningful

**Global Specialty Engineered Materials**

Sales decreased \$111.1 million, or 21.6%, in 2009 as compared to 2008 due primarily to the decreased demand in our end markets related to transportation and wire and cable applications. Volumes declined most notably in North America and Europe, aggregating to a total decrease of approximately 20.8% in 2009 as compared to 2008. Changes in currency exchange rates in 2009 resulted in a decrease in sales of approximately 3.4%. Partially offsetting the impact of these items were improvements in pricing and sales mix.

Operating income increased \$3.0 million, or 17.0%, in 2009 as compared to 2008 driven primarily by lower raw material costs, the realization of savings from restructuring and decreased

discretionary spending. These items more than offset the impact of the decline in volumes and unfavorable changes in currency exchange rates in 2009. Also contributing to the improved income results is the continued successful integration of GLS, which was acquired in 2008.

**Global Color, Additives and Inks**

Sales declined \$94.5 million, or 17.0%, in 2009 as compared to 2008 primarily to decreased demand in the transportation and packaging end markets. Volumes declined most notably in North America and Europe aggregating to a total decrease of approximately 15.0%. Changes in currency exchange rates in 2009 resulted in a decrease in sales of approximately 6.2%. Partially offsetting the impact of these items was a higher value sales mix driven by business gains in specialty type applications.

Operating income decreased \$2.9 million, or 10.3%, primarily due to the adverse impact of the decline in volumes and the unfavorable impact of changes in currency exchange rates. Partially offsetting these items was the benefits of a more profitable sales mix, lower raw material costs and decreased discretionary spending.

**Performance Products and Solutions**

Sales decreased \$333.7 million, or 33.3%, in 2009 as compared to 2008 due to the decreased demand across all end markets, particularly those related to the North American building and construction market. Volumes declined 27.8% in 2009 as compared to 2008. Lower market prices associated with lower commodity costs resulted in a 5.7% decline in sales during 2009 as compared to 2008.

Operating income increased \$1.8 million, or 5.8%, in 2009 as compared to 2008 due primarily to savings from restructuring and decreased raw material costs, which more than offset the impact of lower volume.

**PolyOne Distribution**

PolyOne Distribution sales decreased \$171.6 million, or 21.5%, in 2009 as compared to 2008, as volumes declined 12.1%, with the remainder due to lower market pricing associated with lower commodity costs.

Operating income decreased \$3.3 million, or 11.7%, in 2009 as compared to 2008 due primarily to the decline in volume.

**SunBelt Joint Venture**

During 2009, income from the SunBelt Joint Venture decreased \$3.1 million due to lower pricing for caustic soda, partially offset by an increase in pricing and volume for chlorine as compared to 2008.

## Corporate and Eliminations

Operating loss from Corporate and eliminations was \$49.1 million in 2009 as compared to \$267.6 million in 2008 as summarized in the following table:

(In millions)	Year Ended	Year Ended
	December 31, 2009	December 31, 2008
Curtailment of post-retirement health care plan and other <sup>(a)</sup>	\$ 21.9	\$ —
Impairment of goodwill <sup>(b)</sup>	(5.0)	(170.0)
Environmental remediation costs, net of recoveries <sup>(c)</sup>	12.2	(15.6)
Employee separation and plant phase-out <sup>(d)</sup>	(27.2)	(39.7)
Recognition of inventory step-up associated with GLS acquisition <sup>(e)</sup>	—	(1.6)
Gain on sale and (charges) related to investment in equity affiliate <sup>(f)</sup>	2.8	(4.7)
Incentive compensation	(24.2)	(8.1)
Unallocated pension and post-retirement medical expense	(13.6)	(5.4)
All other and eliminations <sup>(g)</sup>	(16.0)	(22.5)
<b>Total Corporate and eliminations</b>	<b>\$(49.1)</b>	<b>\$(267.6)</b>

<sup>(a)</sup> In 2009, we amended certain of our post-retirement healthcare plans whereby benefits to be paid under these plans will be phased out through 2012, resulting in a curtailment gain of \$21.1 million. We also recorded curtailment gains totaling approximately \$0.8 million related to other employee benefit plans.

<sup>(b)</sup> In 2009, we increased our estimated year-end goodwill impairment charge of \$170.0 million by \$5.0 million, which is comprised of an increase of \$12.4 million related to our Specialty Coatings reporting unit and a decrease of \$7.4 million to our Geon Compounds reporting unit, both of which are within Performance Products and Solutions.

<sup>(c)</sup> In 2009, we received \$23.9 million from our former parent company, as partial reimbursement for certain previously incurred environmental remediation costs.

<sup>(d)</sup> During the third quarter of 2008 and subsequently in January 2009, we announced the restructuring of certain manufacturing assets, primarily in North America. See Note 3, *Employee Separation and Plant Phase-out*, to the accompanying consolidated financial statements for further information.

<sup>(e)</sup> Upon acquisition of GLS in 2008, GLS's inventory was initially stepped up from cost to fair value. This difference was recognized with the first turn of inventory within Corporate and eliminations.

<sup>(f)</sup> On October 13, 2009, we sold our 50% interest in GPA, previously part of Performance Products and Solutions, to Mexichem Compuestos, S.A. de C.V, resulting in a pre-tax gain of approximately \$2.8 million in our 2009 results of operations. In the third quarter of 2008, we recorded \$2.6 million related to our proportionate share of the write-down of certain assets by GPA and a \$2.1 million charge related to an impairment of our investment in this equity affiliate.

<sup>(g)</sup> All other and eliminations is comprised of intersegment eliminations and corporate general and administrative costs that are not allocated to segments.

## Liquidity and Capital Resources

(In millions)	As of December 31,	
	2010	2009
Cash and cash equivalents	\$378.1	\$222.7
Accounts receivable availability	128.2	112.8
<b>Liquidity</b>	<b>\$506.3</b>	<b>\$335.5</b>

Liquidity is defined as an enterprise's ability to generate adequate amounts of cash to meet both current and future needs. These needs include paying obligations as they mature, maintaining production capacity and providing for planned growth. Capital resources are sources of funds other than those generated by operations.

Since December 31, 2009, liquidity increased by \$170.8 million driven by the increase in our cash balance and increased availability under our accounts receivable facility. The increase in cash of \$155.4 million includes proceeds of \$23.9 million from insurance and legal settlements, \$9.8 million from the sale of our investment in, and payment of the related seller note receivable from, O'Sullivan Films, \$19.3 of proceeds from the sale of our investment in BayOne, \$25.6 million related to the collection of our seller note from Excel Polymers, inclusive of \$11.6 million of accrued interest, and net proceeds of \$353.6 million from the issuance of our 7.375% senior notes due 2020. A portion of the net proceeds from the issuance of our 7.375% senior notes was used to repurchase \$257.1 million aggregate principal amount of our 8.875% senior notes due May 2012 in a tender offer, which resulted in the extinguishment of \$257.1 million of debt and related payment of \$26.4 million of debt extinguishment costs. Additionally, we repaid our \$40 million credit facility, paid \$1.4 million of extinguishment costs associated therewith, and repaid \$20 million aggregate principal of our 6.52% medium-term notes. The increase in our accounts receivable facility availability reflects an increase in sales.

## Cash Flows

The following discussion focuses on the material components of cash flows from operating, investing and financing activities.

### Operating Activities

(In millions)	2010	2009	2008
<b>Cash Flows from Operating Activities</b>			
Net income (loss)	\$162.6	\$ 49.5	\$(260.2)
Depreciation and amortization	55.2	64.8	68.0
Deferred income (benefit) tax provision	(69.4)	5.9	72.1
Debt extinguishment costs	27.8	—	—
Provision for doubtful accounts	2.5	3.3	6.0
Stock compensation expense	4.4	2.6	3.0
Impairment of goodwill	—	5.0	170.0
Asset write-downs and impairment charges, net of gain on sale of closed facilities	0.4	3.7	3.6
Companies carried at equity and minority interest:			
Income related to equity affiliates	(42.0)	(35.2)	(31.2)
Dividends and distributions received	24.2	36.5	32.9
Change in assets and liabilities:			
(Increase) decrease in accounts receivable	(24.9)	1.3	60.8
(Increase) decrease in inventories	(29.2)	57.4	38.2
Increase (decrease) in accounts payable	31.9	76.3	(94.7)
Increase (decrease) in sale of accounts receivable	—	(14.2)	14.2
Decrease in accrued expenses and other	(2.7)	(27.2)	(10.2)
<b>Net cash provided by operating activities</b>	<b>\$140.8</b>	<b>\$229.7</b>	<b>\$ 72.5</b>

In 2010, net cash provided by operating activities was \$140.8 million as compared to \$229.7 million in 2009. In 2010, working capital, which we define as accounts receivable plus inventory less accounts payable, increased reflecting our investment in support of our sales growth. We have invested in working capital to ensure adequate supply of certain raw materials and to improve our on-time delivery to customers. However, as a percentage of sales, year over year working capital continued to improve, decreasing from 12.1% for 2009 to 9.6% for 2010. Days sales outstanding at December 31, 2010 was relatively consistent with days sales outstanding at December 31, 2009, increasing slightly from 49.1 to 49.5 due primarily to a change in the mix of our customers' payment terms.

Cash provided by operating activities increased in 2009 as compared to 2008 due primarily to improved earnings and the previously described favorable impacts related to improved working capital performance.

### Investing Activities

(In millions)	2010	2009	2008
<b>Cash Flows from Investing Activities</b>			
Capital expenditures	\$(39.5)	\$(31.7)	\$ (42.5)
Investment in affiliated company	—	—	(1.1)
Business acquisitions, net of cash acquired	(3.3)	(11.5)	(150.2)
Proceeds from sale of investment in equity affiliate and other assets	41.1	17.0	0.3
<b>Net cash used by investing activities</b>	<b>\$ (1.7)</b>	<b>\$(26.2)</b>	<b>\$(193.5)</b>

Net cash used by investing activities during 2010 of \$1.7 million reflects the acquisition of Polimaster and capital expenditures of \$39.5 million, partially offset by cash proceeds of \$19.3 million from the sale of our investment in BayOne, \$7.8 million from the sale our investment in O'Sullivan Films, and collection of \$14 million principal on the Excel Polymers note receivable. Capital expenditures primarily related to maintenance spending and an Enterprise Resource System (ERP) implementation in Asia. Business acquisitions, net of cash acquired reflects our acquisition of Polimaster.

Net cash used by investing activities in 2009 reflects \$13.5 million of cash proceeds from the sale of our interest in GPA and \$3.5 million of proceeds from the sale of other assets. Capital expenditures primarily related to maintenance spending and implementing our restructuring initiatives. Business acquisitions, net of cash acquired in 2009 reflects cash paid for our acquisition of NEU.

Net cash used by investing activities in 2008 relates primarily to the \$150.2 million to fund the acquisition of GLS and \$42.5 million of capital expenditures. Capital expenditures in 2008 reflect strategic investments to upgrade our Enterprise Resource Planning system, expand our global footprint in China and India through investment in manufacturing and customer specific projects, product line investments to support our specialization strategy, and the enablement of the manufacturing restructuring initiative we announced in July 2008. Spending on strategic projects constituted approximately 48% of total spending. The remainder of spending was related to productivity improvement, on-going maintenance of the asset base and critical environmental, health and safety (EH&S) projects.

Capital expenditures are currently estimated to be approximately \$40 million in 2011, primarily to support sales growth, integrate information systems and other strategic investments.

## Financing Activities

(In millions)	2010	2009	2008
<b>Cash Flows from Financing Activities</b>			
Change in short-term debt	\$ (0.4)	\$ (5.7)	\$ 43.3
Issuance of long-term debt, net of debt issuance costs	353.6	—	77.8
Repayment of long-term debt	(317.1)	(20.0)	(25.3)
Purchase of common shares for treasury	—	—	(8.9)
Premium paid on early extinguishment of long-term debt	(27.8)	—	—
Proceeds from exercise of stock options	7.4	—	1.1
<b>Net cash provided (used) by financing activities</b>	<b>\$ 15.7</b>	<b>\$(25.7)</b>	<b>\$ 88.0</b>

Net cash provided by financing activities in 2010 reflects proceeds from the issuance of our 7.375% senior notes due 2020 and the related tender offer by which \$257.1 million aggregate principal amount of our 8.875% senior notes were extinguished. Additionally, we repaid our \$40 million credit facility and \$20 million aggregate principal amount of our 6.52% medium-term notes. In connection with the tender offer, we paid tender premiums and other costs of \$26.4 million, and we paid \$1.4 million of costs associated with the extinguishment of the \$40 million credit facility.

Net cash used by financing activities in 2009 reflects the repayment of short-term debt and our 6.91% medium-term notes.

Net cash provided by financing activities in 2008 was primarily used for the acquisition of GLS and the funding necessary to extinguish maturing debt. On January 9, 2008, we borrowed \$40.0 million under the new credit facility. In April 2008, we sold an additional \$80.0 million in aggregate principal amount of 8.875% senior notes due 2012.

## Capital Resources

The following table summarizes our available and outstanding facilities as of December 31, 2010:

(In millions)	Outstanding	Available
Long-term debt, including current maturities	\$452.9	\$ —
Receivables sale facility	—	128.2
	<b>\$452.9</b>	<b>\$128.2</b>

We may from time to time seek to retire or purchase our outstanding debt through cash purchases and/or exchanges for equity securities, in open market purchases, privately negotiated transactions or otherwise. We may also seek to repurchase our outstanding equity securities. Such repurchases or exchanges, if any, will depend on prevailing market conditions, our liquidity requirements, contractual restrictions and other factors. The amounts involved may be material.

## Long-Term Debt

The following summarizes our long-term debt as of December 31, 2010:

(Dollars in millions)	December 31, 2010 <sup>(1)</sup>	December 31, 2009 <sup>(1)</sup>
Medium-term notes:		
6.52% medium-term notes due 2010	\$ —	\$ 19.9
6.58% medium-term notes due 2011	20.0	19.7
Credit facility borrowings, terminated in 2010	—	40.0
8.875% senior notes due 2012	22.9	279.5
7.500% debentures due 2015	50.0	50.0
7.375% senior notes due 2020	360.0	—
<b>Total long-term debt</b>	<b>\$452.9</b>	<b>\$409.1</b>
Less current portion	20.0	19.9
<b>Total long-term debt, net of current portion</b>	<b>\$432.9</b>	<b>\$389.2</b>

(1) Book values include unamortized discounts, where applicable.

Aggregate maturities of long-term debt for the next five years are: 2011 — \$20.0 million; 2012 — \$22.9 million; 2013 — \$0.0 million; 2014 — \$0.0 million; 2015 — \$50.0 million; and thereafter — \$360.0 million.

Each of our 7.375% senior notes due 2020, 7.500% debentures due 2015, 8.875% senior notes due 2012 and medium-term notes are our direct, unsecured obligations and are not guaranteed by any of our subsidiaries. Each of the indentures governing these debt securities contains limitations on our ability to incur secured debt.

## Guarantee and Agreement

We entered into a definitive Guarantee and Agreement with Citicorp USA, Inc., KeyBank National Association and PNC Bank (formerly known as National City Bank) on June 6, 2006. Under this Guarantee and Agreement, we guarantee some treasury management and banking services provided to us and our subsidiaries, such as foreign currency forwards and bank overdrafts. This guarantee is secured by our inventories located in the United States.

## Receivables Sale Facility

As of December 31, 2010, we had receivables sale facilities outstanding in the United States and Canada totaling \$200 million. These facilities expire in June 2012. The maximum proceeds that we may receive are limited to the lesser of \$200 million or 85% of the eligible domestic and Canadian accounts receivable sold. This facility also makes up to \$40 million available for issuing standby letters of credit as a sub-limit within the \$200 million facility, of which \$12.9 million was used at December 31, 2010.

The facility requires us to maintain a minimum fixed charge coverage ratio (defined as Adjusted EBITDA less capital expenditures, divided by the sum of interest expense and scheduled debt



repayments for the next four quarters) of at least 1 to 1 when average excess availability under the facility is \$40 million or less. As of December 31, 2010, the average excess availability under the facility was greater than \$40 million. Additionally, the fixed charge coverage ratio exceeded 1 to 1.

Each indenture governing our senior unsecured notes and debentures and our guarantee of the \$42.7 million of SunBelt notes allows a specific level of secured debt, above which security must be provided on each indenture and our guarantee of the SunBelt notes. The receivables sale facility and our guarantee of the SunBelt notes are not considered debt under the covenants associated with our senior unsecured notes and debentures.

### Concentrations of Credit Risk

Financial instruments, including foreign exchange contracts along with trade accounts receivable, subject us to potential credit risk. Concentration of credit risk for trade accounts receivable is limited due to the large number of customers constituting our customer base and their distribution among many industries and geographic locations. We are exposed to credit risk with respect to forward foreign exchange contracts in the event of non-performance by the counter-parties to these financial instruments. We believe that the risk of incurring material losses related to this credit risk is remote. We do not require collateral to support the financial position of our credit risks.

Each indenture governing our senior unsecured notes and debentures and our guarantee of \$42.7 million of SunBelt notes allows a specific level of secured debt, above which security must be provided on each indenture and our guarantee of the SunBelt notes. The receivables sale facility and our guarantee of SunBelt debt are not considered debt under the covenants associated with our senior unsecured notes and debentures.

### Off-Balance Sheet Arrangements

#### Receivables sale facility

We sell a portion of our domestic accounts receivable to PolyOne Funding Corporation (PFC) and a portion of our Canadian accounts receivable to PolyOne Funding Canada Corporation (PFCC), both wholly-owned, bankruptcy-remote subsidiaries. At December 31, 2010, accounts receivable totaling \$163.2 million were sold to PFC and PFCC. When PFC and PFCC sell an undivided interest in these accounts receivable to certain third-party investors, such amounts are reflected as a reduction of accounts receivable in the accompanying consolidated balance sheets. The maximum proceeds that PFC and PFCC may receive under the facility is limited to the lesser of \$200.0 million or 85% of the eligible domestic and Canadian accounts receivable sold. At December 31, 2010, PFC and PFCC had not sold any of their undivided interests in accounts receivable. We believe that available funding under our receivables sale facility provides us increased flexibility to manage working capital requirements and is an important source of liquidity.

### Guarantee of indebtedness of others

We guarantee \$42.7 million of unconsolidated equity affiliate debt of SunBelt in connection with the construction of a chlor-alkali facility in McIntosh, Alabama. SunBelt makes annual and equal payments on this debt with the final payment in 2017.

### Letters of credit

The receivables sale facility makes up to \$40.0 million available for the issuance of standby letters of credit, \$12.9 million of which was used at December 31, 2010. These letters of credit are issued by the bank in favor of third parties and are mainly related to insurance claims.

We have no other off-balance sheet arrangements as defined in Item 303(a)(4)(ii) of Regulation S-K.

### Contractual Obligations

The following table summarizes our obligations under long-term debt, operating leases, standby letters of credit, interest obligations, pension and post-retirement obligations, guarantees and purchase obligations as of December 31, 2010:

(In millions)	Payment Due by Period				
	Total	Less than 1 Year	1-3 Years	4-5 Years	More than 5 Years
<b>Contractual Obligations</b>					
Long-term debt	\$ 452.9	\$ 20.0	\$ 22.9	\$ 50.0	\$360.0
Operating leases	93.5	22.5	34.0	17.0	20.0
Standby letters of credit	12.9	12.9	—	—	—
Interest on long-term debt obligations <sup>(1)</sup>	287.0	32.0	61.6	60.6	132.8
Pension and post-retirement obligations <sup>(2)</sup>	182.4	28.5	72.5	49.1	32.3
Guarantees	42.7	6.1	12.2	12.2	12.2
Purchase obligations <sup>(3)</sup>	22.6	13.5	7.1	1.4	0.6
<b>Total</b>	<b>\$1,094.0</b>	<b>\$135.5</b>	<b>\$210.3</b>	<b>\$190.3</b>	<b>\$557.9</b>

<sup>(1)</sup> Interest obligations are stated at the rate of interest that is defined by the debt instrument, assuming that the debt is paid at maturity.

<sup>(2)</sup> Pension and post-retirement obligations relate to our U.S. and international pension and other post-retirement plans.

<sup>(3)</sup> Purchase obligations are primarily comprised of service agreements related to telecommunication, information technology, utilities and other manufacturing plant services and certain capital commitments.

We expect to maintain existing levels of available capital resources and meet our cash requirements in 2011. Expected sources of cash in 2011 include cash from operations, available funding under our receivables sale facility if needed, cash distributions from equity affiliates and proceeds from the sale of previously closed facilities and redundant assets. Expected uses of cash in 2011 include interest payments, cash taxes, contributions to our defined benefit pension plan, debt retirements, environmental remediation at inactive and formerly owned sites and capital expenditures. Capital expenditures are currently estimated to be

approximately \$40 million in 2011, primarily to support sales growth, integrate information systems and other strategic investments.

We may from time to time seek to retire or purchase our outstanding debt through cash purchases and/or exchanges for equity securities, in open market purchases, privately negotiated transactions or otherwise. Such repurchases or exchanges, if any, will depend on prevailing market conditions, our liquidity requirements, contractual restrictions and other factors. The amounts involved may be material.

Based on current projections, we believe that we will be able to continue to manage and control working capital, discretionary spending and capital expenditures and that cash provided by operating activities, along with available borrowing capacity under our receivables sale facility, should allow us to maintain adequate levels of available capital resources to fund our operations and meet debt service and minimum pension funding requirements for both the short and long term.

### **Critical Accounting Policies and Estimates**

Significant accounting policies are described more fully in Note 1, *Summary of Significant Accounting Policies*, to the accompanying consolidated financial statements. The preparation of financial statements in conformity with U.S. generally accepted accounting principles (U.S. GAAP) requires us to make estimates and assumptions about future events that affect the amounts reported in our financial statements and accompanying notes. We base our estimates on historical experience and assumptions that we believe are reasonable under the related facts and circumstances. The application of these critical accounting policies involves the exercise of judgment and use of assumptions for future uncertainties. Accordingly, actual results could differ significantly from these estimates. We believe that the following discussion addresses our most critical accounting policies, which are those that are the most important to the portrayal of our financial condition and results of operations and require our most difficult, subjective and complex judgments. We have reviewed these critical accounting policies and related disclosures with the Audit Committee of our Board of Directors.

Description	Judgments and Uncertainties	Effect if Actual Results Differ from Assumptions
<b>Pension and Other Post-retirement Plans</b>		
<ul style="list-style-type: none"> <li>We account for our defined benefit pension plans and other post-retirement plans in accordance with FASB ASC Topic 715, <i>Compensation — Retirement Benefits</i>.</li> </ul>	<ul style="list-style-type: none"> <li>Included in our results of operations are significant amounts associated with our pension and post-retirement benefit plans that we measure using actuarial valuations. Inherent in these valuations are key assumptions, including assumptions about discount rates and expected returns on plan assets. These assumptions are updated at the beginning of each fiscal year. We consider current market conditions, including changes in interest rates, when making these assumptions. Changes in pension and post-retirement benefit costs may occur in the future due to changes in these assumptions.</li> <li>Market conditions and interest rates significantly affect the value of future assets and liabilities of our pension and post-retirement plans. It is difficult to predict these factors due to the volatility of market conditions.</li> <li>To develop our discount rate, we consider the yields of high-quality, fixed-income investments with maturities that correspond to the timing of our benefit obligations.</li> <li>To develop our expected return on plan assets, we consider our historical long-term asset return experience, the expected investment portfolio mix of plan assets and an estimate of long-term investment returns. To develop our expected portfolio mix of plan assets, we consider the duration of the plan liabilities and give more weight to equity investments than to fixed-income securities.</li> </ul>	<ul style="list-style-type: none"> <li>The weighted average discount rates used to value our pension and other post-retirement liabilities as of December 31, 2010 were 5.71% and 5.07%, respectively. As of December 31, 2010, an increase/decrease in the discount rate of 50 basis points, holding all other assumptions constant, would have increased or decreased accumulated other comprehensive income and the related pension and post-retirement liability by approximately \$25.0 million. An increase/decrease in the discount rate of 50 basis points as of December 31, 2010 would result in a change of approximately \$0.1 million in net periodic benefit cost.</li> <li>The weighted-average expected return on assets was 8.50% for 2010, 2009 and 2008. The expected return on assets is a long-term assumption whose accuracy can only be measured over a long period based on past experience. A variation in the expected return on assets by 50 basis points as of December 31, 2010 would result in a change of approximately \$1.8 million in net periodic benefit cost.</li> </ul>
<b>Goodwill and Intangible Assets</b>		
<ul style="list-style-type: none"> <li>Goodwill represents the excess of the purchase price over the fair value of the net assets of acquired companies. We follow the guidance in ASC 350, <i>Intangibles — Goodwill and Other</i>, and test goodwill for impairment at least annually, absent a triggering event that would warrant an impairment assessment. On an ongoing basis, absent any impairment indicators, we perform our goodwill impairment testing as of the first day of October of each year. The carrying value of goodwill at December 31, 2010 was \$164.1 million.</li> </ul>	<ul style="list-style-type: none"> <li>We have identified our reporting units at the operating segment level or in some cases one level below the operating segment level. Goodwill is allocated to the reporting units based on the estimated fair value at the date of acquisition.</li> <li>We determine the fair value of our reporting units using a combination of two valuation methods; the income approach and the market approach.</li> <li>The income approach requires us to make assumptions and estimates regarding projected economic and market conditions, growth rates, operating margins and cash expenditures.</li> <li>The market approach requires us to make assumptions and judgments to identify comparable publicly-traded companies, trailing twelve-month earnings before interest, taxes, depreciation and amortization (EBITDA) and projected EBITDA.</li> </ul>	<ul style="list-style-type: none"> <li>If actual results are not consistent with our assumptions and estimates, we may be exposed to additional goodwill impairment charges.</li> <li>Based on our 2010 annual impairment test, the fair value of each of our reporting units exceeded the corresponding carrying value by at least 40%.</li> </ul>
<ul style="list-style-type: none"> <li>At December 31, 2010, our balance sheet reflected \$33.2 million associated with the trade name acquired as part of the acquisition of GLS.</li> </ul>	<ul style="list-style-type: none"> <li>We have estimated the fair value of the GLS tradename using a “relief from royalty payments” approach. This approach involves two steps (1) estimating reasonable royalty rate for the tradename and (2) applying this royalty rate to a net sales stream and discounting the resulting cash flows to determine fair value. Fair value is then compared with the carrying value of the tradename.</li> </ul>	<ul style="list-style-type: none"> <li>If actual results are not consistent with our assumptions and estimates, we may be exposed to impairment charges related to our indefinite lived tradenames.</li> </ul>

Description	Judgments and Uncertainties	Effect if Actual Results Differ from Assumptions
<p><b>Income Taxes</b></p> <ul style="list-style-type: none"> <li>We account for income taxes using the asset and liability method. Deferred tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. In addition, deferred tax assets are also recorded with respect to net operating losses and other tax attribute carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates in effect for the year in which those temporary differences are expected to be recovered or settled. Valuation allowances are established when realization of the benefit of deferred tax assets is not deemed to be more likely than not. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date.</li> <li>We recognize net tax benefits under the recognition and measurement criteria of ASC Topic 740, <i>Income Taxes</i>, which prescribes requirements and other guidance for financial statement recognition and measurement of positions taken or expected to be taken on tax returns. We record interest and penalties related to uncertain tax positions as a component of income tax expense.</li> </ul>	<ul style="list-style-type: none"> <li>The ultimate recovery of certain of our deferred tax assets is dependent on the amount and timing of taxable income that we will ultimately generate in the future and other factors such as the interpretation of tax laws. This means that significant estimates and judgments are required to determine the extent that valuation allowances should be provided against deferred tax assets. We have provided valuation allowances as of December 31, 2010 aggregating \$18.1 million against such assets based on our current assessment of future operating results and these other factors.</li> </ul>	<ul style="list-style-type: none"> <li>Although management believes that the estimates and judgments discussed herein are reasonable, actual results could differ, which could result in gains or losses that could be material.</li> </ul>
<p><b>Environmental Liabilities</b></p> <ul style="list-style-type: none"> <li>Based upon estimates prepared by our environmental engineers and consultants, we have \$87.4 million accrued at December 31, 2010 to cover probable future environmental remediation expenditures.</li> </ul>	<ul style="list-style-type: none"> <li>This accrual represents our best estimate of the remaining probable remediation costs based upon information and technology currently available and our view of the most likely remedy. Depending upon the results of future testing, the ultimate remediation alternatives undertaken, changes in regulations, new information, newly discovered conditions and other factors; it is reasonably possible that we could incur additional costs in excess of the amount accrued. However, such additional costs, if any, cannot currently be estimated. Our estimate of this liability may be revised as new regulations or technologies are developed or additional information is obtained. Changes during the past five years have primarily resulted from an increase in the estimate of future remediation costs at existing sites and payments made each year for remediation costs that were already accrued.</li> </ul>	<ul style="list-style-type: none"> <li>If further developments or resolution of these matters are not consistent with our assumptions and judgments, we may need to recognize a significant charge in a future period.</li> </ul>

Description	Judgments and Uncertainties	Effect if Actual Results Differ from Assumptions
<p><b>Share-Based Compensation</b></p> <ul style="list-style-type: none"> <li>We have share-based compensation plans that include non-qualified stock options, incentive stock options, restricted stock, restricted stock units, performance shares, performance units and stock appreciation rights (SARs). See Note 15, <i>Share-Based Compensation</i>, to the accompanying consolidated financial statements for a complete discussion of our stock-based compensation programs.</li> <li>For SARs granted during 2010 and 2008, the option pricing model used was the Black-Scholes method. We determine the fair value of our SARs granted in 2009 based on a Monte Carlo simulation method.</li> <li>We determine the fair value of our market-based and performance-based nonvested share awards at the date of grant using generally accepted valuation techniques and the average of the high and low grant date market price of our stock.</li> <li>Management reviews its assumptions and the valuations provided by independent third-party valuation advisors to determine the fair value of share-based compensation awards.</li> </ul>	<ul style="list-style-type: none"> <li>Option-pricing models and generally accepted valuation techniques require management to make assumptions and to apply judgment to determine the fair value of our awards. These assumptions and judgments include estimating the future volatility of our stock price, future employee turnover rates and risk-free rate of return.</li> </ul>	<ul style="list-style-type: none"> <li>We do not believe there is a reasonable likelihood there will be a material change in the future estimates or assumptions we use to determine share-based compensation expense. However, if actual results are not consistent with our estimates or assumptions, we may be exposed to changes in share-based compensation expense that could be material.</li> </ul>

**ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES**  
**ABOUT MARKET RISK**

We are exposed to certain market risks as part of our ongoing business operations, including risks from changes in interest rates on debt obligations and foreign currency exchange rates that could impact our financial condition, results of operations and cash flows. We manage our exposure to these and other market risks through regular operating and financing activities, including the use of derivative financial instruments. We intend to use these derivative financial instruments as risk management tools and not for speculative investment purposes.

**Interest rate exposure** — On July 7, 2010, we fully repaid the \$40 million of outstanding borrowings and also terminated the related commitments under our credit agreement. Because this was our only variable rate debt, we currently have no significant exposure to changes in market interest rates.

To help manage borrowing costs, we may periodically enter into interest rate swap agreements. Under these arrangements, we agree to exchange, at specified intervals, the difference between fixed and floating interest amounts on agreed-upon notional principal amounts. As of December 31, 2010, there were no outstanding interest rate swap agreements.

**Foreign currency exposure** — We enter into intercompany lending transactions that are denominated in various foreign currencies and are subject to financial exposure from foreign exchange rate movement from the date a loan is recorded to the date it is settled or revalued. To mitigate this risk, we enter into foreign exchange contracts, which had a fair value of \$(0.4) million at December 31, 2010. Gains and losses on these contracts generally offset gains and losses on the assets and liabilities being hedged.

We face translation risks related to the changes in foreign currency exchange rates. Amounts invested in our foreign operations are translated into U.S. dollars at the exchange rates in effect at the balance sheet date. The resulting translation adjustments are recorded as a component of *Accumulated other comprehensive income (loss)* in the Shareholders' equity section of the accompanying consolidated balance sheets. Net sales and expenses in our foreign operations' foreign currencies are translated into varying amounts of U.S. dollars depending upon whether the U.S. dollar weakens or strengthens against other currencies. Therefore, changes in exchange rates may either positively or negatively affect our net sales and expenses from foreign operations as expressed in U.S. dollars.

**ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY**  
**DATA**

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## MANAGEMENT'S REPORT

The management of PolyOne Corporation is responsible for preparing the consolidated financial statements and disclosures included in this Annual Report on Form 10-K. The financial statements and disclosures included in this Annual Report fairly present in all material respects the financial position, results of operations, shareholders' equity and cash flows of PolyOne Corporation as of and for the year ended December 31, 2010.

Management is responsible for establishing and maintaining disclosure controls and procedures designed to ensure that the information required to be disclosed by the company is captured and reported in a timely manner. Management has evaluated the design and operation of the company's disclosure controls and procedures at December 31, 2010 and found them to be effective.

Management is also responsible for establishing and maintaining a system of internal control over financial reporting that is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. Internal control over financial reporting includes policies and procedures that provide reasonable assurance that: PolyOne Corporation's accounting records accurately and fairly reflect the transactions and dispositions of the assets of the company; unauthorized or improper acquisition, use or disposal of company assets will be prevented or timely detected; the company's transactions are properly recorded and reported to permit the preparation of the company's financial statements in conformity with generally accepted accounting principles; and the company's receipts and expenditures are made only in accordance with authorizations of management and the board of directors of the company.

Management has assessed the effectiveness of PolyOne's internal control over financial reporting as of December 31, 2010 and has prepared Management's Annual Report On Internal Control Over Financial Reporting contained on page 61 of this Annual Report, which concludes that as of December 31, 2010, PolyOne's internal control over financial reporting is effective and that no material weaknesses were identified.

/s/ STEPHEN D. NEWLIN

/s/ ROBERT M. PATTERSON

Stephen D. Newlin  
Chairman, President and  
Chief Executive Officer

Robert M. Patterson  
Executive Vice President and  
Chief Financial Officer

February 18, 2011

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

### The Board of Directors and Shareholders

#### PolyOne Corporation

We have audited PolyOne Corporation's internal control over financial reporting as of December 31, 2010, based on criteria established in Internal Control — Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (the COSO criteria). PolyOne Corporation's management is responsible for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying "Management's Annual Report on Internal Control over Financial Reporting". Our responsibility is to express an opinion on the company's internal control over financial reporting based on our audit.

We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that: (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

In our opinion, PolyOne Corporation maintained, in all material respects, effective internal control over financial reporting as of December 31, 2010, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated balance sheets of PolyOne Corporation as of December 31, 2010, and 2009, and the related consolidated statements of operations, shareholders' equity and cash flows for each of the three years in the period ended December 31, 2010, and our report dated February 18, 2011, expressed an unqualified opinion thereon.

/s/ ERNST & YOUNG LLP

Cleveland, Ohio  
February 18, 2011

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

### To the Board of Directors and Shareholders

#### PolyOne Corporation

We have audited the accompanying consolidated balance sheets of PolyOne Corporation as of December 31, 2010 and 2009, and the related consolidated statements of operations, shareholders' equity, and cash flows for each of the three years in the period ended December 31, 2010. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the consolidated financial position of PolyOne Corporation at December 31, 2010 and 2009, and the consolidated results of their operations and their cash flows for each of the three years in the period ended December 31, 2010, in conformity with U.S. generally accepted accounting principles.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), PolyOne Corporation's internal control over financial reporting as of December 31, 2010, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated February 18, 2011 expressed an unqualified opinion thereon.

/s/ ERNST & YOUNG LLP

Cleveland, Ohio  
February 18, 2011



## Consolidated Statements of Operations

(In millions, except per share data)	Year Ended December 31,		
	2010	2009	2008
Sales	\$2,621.9	\$2,060.7	\$2,738.7
Cost of sales	2,193.0	1,738.5	2,446.7
Gross margin	428.9	322.2	292.0
Selling and administrative	296.6	272.3	287.1
Impairment of goodwill	—	5.0	170.0
Income related to equity affiliates	42.0	35.2	31.2
Operating income (loss)	174.3	80.1	(133.9)
Interest expense, net	(31.5)	(34.3)	(37.2)
Premium on early extinguishment of long-term debt	(29.5)	—	—
Other expense, net	(2.3)	(9.6)	(4.6)
Income (loss) before income taxes	111.0	36.2	(175.7)
Income tax benefit (expense)	51.6	13.3	(84.5)
Net income (loss)	\$ 162.6	\$ 49.5	\$ (260.2)
Earnings (loss) per common share:			
Basic earnings (loss)	\$ 1.75	\$ 0.54	\$ (2.81)
Diluted earnings (loss)	\$ 1.69	\$ 0.53	\$ (2.81)
Weighted-average shares used to compute earnings (loss) per common share:			
Basic	93.1	92.4	92.7
Diluted	96.0	93.4	92.7

The accompanying notes to consolidated financial statements are an integral part of these statements.

## Consolidated Balance Sheets

(In millions, except per share data)	December 31,	
	2010	2009
<b>ASSETS</b>		
<b>Current assets</b>		
Cash and cash equivalents	\$ 378.1	\$ 222.7
Accounts receivable (less allowance of \$4.1 in 2010 and \$5.9 in 2009)	294.5	274.4
Inventories	211.3	183.7
Other current assets	55.1	38.0
<b>Total current assets</b>	939.0	718.8
Property, net	374.4	392.4
Investment in equity affiliates and nonconsolidated subsidiary	2.7	5.8
Goodwill	164.1	163.5
Other intangible assets, net	67.8	71.7
Deferred income tax assets	59.7	8.1
Other non-current assets	64.2	55.7
<b>Total assets</b>	<b>\$1,671.9</b>	<b>\$1,416.0</b>
<b>LIABILITIES AND SHAREHOLDERS' EQUITY</b>		
<b>Current liabilities</b>		
Current portion of long-term debt	\$ 20.0	\$ 19.9
Short-term debt	—	0.5
Accounts payable, including amounts payable to related party	269.0	238.3
Accrued expenses and other liabilities	145.8	117.0
<b>Total current liabilities</b>	434.8	375.7
Long-term debt	432.9	389.2
Post-retirement benefits other than pensions	19.4	21.8
Pension benefits	154.5	173.0
Other non-current liabilities	114.3	98.6
<b>Commitments and contingencies (See Note 12)</b>		
<b>Shareholders' equity</b>		
Preferred stock, 40.0 shares authorized, no shares issued	—	—
Common shares, \$0.01 par, 400.0 shares authorized, 122.2 shares issued in 2010 and 2009	1.2	1.2
Additional paid-in capital	1,059.4	1,065.5
Accumulated deficit	(66.9)	(229.5)
Common shares held in treasury, at cost, 28.3 shares in 2010 and 29.7 shares in 2009	(305.6)	(321.0)
Accumulated other comprehensive loss	(172.1)	(158.5)
<b>Total shareholders' equity</b>	516.0	357.7
<b>Total liabilities and shareholders' equity</b>	<b>\$1,671.9</b>	<b>\$1,416.0</b>

The accompanying notes to consolidated financial statements are an integral part of these balance sheets.

## Consolidated Statements of Cash Flows

(In millions)	Year Ended December 31,		
	2010	2009	2008
<b>Operating activities</b>			
Net income (loss)	\$ 162.6	\$ 49.5	\$(260.2)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:			
Depreciation and amortization	55.2	64.8	68.0
Deferred income tax (benefit) provision	(69.4)	5.9	72.1
Premium on early extinguishment of long-term debt	27.8	—	—
Provision for doubtful accounts	2.5	3.3	6.0
Stock compensation expense	4.4	2.6	3.0
Impairment of goodwill	—	5.0	170.0
Asset write-downs and impairment charges, net of gain on sale of assets	0.4	3.7	3.6
Companies carried at equity and minority interest:			
Income related to equity affiliates	(42.0)	(35.2)	(31.2)
Dividends and distributions received	24.2	36.5	32.9
Changes in assets and liabilities, net of acquisition:			
(Increase) decrease in accounts receivable	(24.9)	1.3	60.8
(Increase) decrease in inventories	(29.2)	57.4	38.2
Increase (decrease) in accounts payable	31.9	76.3	(94.7)
(Decrease) increase in sale of accounts receivable	—	(14.2)	14.2
Decrease in accrued expenses and other	(2.7)	(27.2)	(10.2)
<b>Net cash provided by operating activities</b>	140.8	229.7	72.5
<b>Investing activities</b>			
Capital expenditures	(39.5)	(31.7)	(42.5)
Investment in affiliated company	—	—	(1.1)
Business acquisitions and related deposits, net of cash acquired	(3.3)	(11.5)	(150.2)
Proceeds from sale of investment in equity affiliates and other assets	41.1	17.0	0.3
<b>Net cash used in investing activities</b>	(1.7)	(26.2)	(193.5)
<b>Financing activities</b>			
Change in short-term debt	(0.4)	(5.7)	43.3
Issuance of long-term debt, net of debt issuance costs	353.6	—	77.8
Repayment of long-term debt	(317.1)	(20.0)	(25.3)
Purchase of common shares for treasury	—	—	(8.9)
Premium on early extinguishment of long-term debt	(27.8)	—	—
Proceeds from the exercise of stock options	7.4	—	1.1
<b>Net cash provided (used) by financing activities</b>	15.7	(25.7)	88.0
<b>Effect of exchange rate changes on cash</b>	0.6	0.6	(2.1)
<b>Increase (decrease) in cash and cash equivalents</b>	155.4	178.4	(35.1)
Cash and cash equivalents at beginning of year	222.7	44.3	79.4
<b>Cash and cash equivalents at end of year</b>	<b>\$ 378.1</b>	<b>\$222.7</b>	<b>\$ 44.3</b>

The accompanying notes to consolidated financial statements are an integral part of these statements.

## Consolidated Statements of Shareholders' Equity

(Dollars in millions, except per share data; shares in thousands)	Common Shares		Shareholders' Equity					
	Common Shares	Common Shares Held in Treasury	Total	Common Shares	Additional Paid-in Capital	Accumulated Deficit	Common Shares Held in Treasury	Accumulated
								Other Comprehensive Income (Loss)
Balance January 1, 2008	122,192	(29,059)	\$ 679.1	\$1.2	\$1,065.0	\$ (18.8)	\$(319.7)	\$ (48.6)
Comprehensive (loss):								
Net loss			(260.2)			(260.2)		
Translation adjustment			(25.3)					(25.3)
Adjustments related to Pensions and Postemployment benefits:								
Prior service credit recognized during year, net of tax of \$0.0			(5.4)					(5.4)
Net actuarial loss occurring during year, net of tax of \$0.2			(157.8)					(157.8)
Adjustment for plan amendment, net of tax of \$0.0			(6.1)					(6.1)
Adjustment for supplemental executive retirement plan, net of tax of \$0.0			(1.9)					(1.9)
Total comprehensive loss			(456.7)					
Repurchase of common shares		(1,250)	(8.9)				(8.9)	
Stock-based compensation and benefits and exercise of options		391	4.8				4.8	
Balance December 31, 2008	122,192	(29,918)	\$ 218.3	\$1.2	1,065.0	(279.0)	(323.8)	(245.1)
Comprehensive income:								
Net income			49.5			49.5		
Translation adjustment			0.7					0.7
Adjustments related to Pensions and Postemployment benefits:								
Net actuarial gain occurring during year, net of tax of \$0.6			30.2					30.2
Net gain due to retiree plan amendments, net of tax of \$0.0			18.5					18.5
Net gain due to post-retirement healthcare plan amendments, net of tax of \$0.0			37.0					37.0
Unrealized gain on available-for-sale securities			0.2					0.2
Total comprehensive income			136.1					
Stock-based compensation and benefits and exercise of options		212	3.3		0.5		2.8	
Balance December 31, 2009	122,192	(29,706)	\$ 357.7	\$1.2	\$1,065.5	\$(229.5)	\$(321.0)	\$(158.5)
Comprehensive income:								
Net income			162.6			162.6		
Translation adjustment			(4.3)					(4.3)
Adjustments related to Pensions and Postemployment benefits:								
Prior service credit recognized during the year, net of tax of \$2.0			(4.7)					(4.7)
Net actuarial gain occurring during year, net of tax of \$5.1			(4.6)					(4.6)
Total comprehensive income			149.0					
Stock-based compensation and benefits and exercise of options		1,417	9.3		(6.1)		15.4	
Balance December 31, 2010	122,192	(28,289)	\$ 516.0	\$1.2	\$1,059.4	\$( 66.9)	\$(305.6)	\$(172.1)

The accompanying notes to financial statements are an integral part of these statements.

**Note 1 — DESCRIPTION OF BUSINESS AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

**Note 2 — GOODWILL AND INTANGIBLE ASSETS**

**Note 3 — EMPLOYEE SEPARATION AND PLANT PHASE-OUT**

**Note 4 — FINANCIAL INFORMATION OF EQUITY AFFILIATES**

**Note 5 — FINANCING ARRANGEMENTS**

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**Note 16 — SEGMENT INFORMATION**

**Note 17 — WEIGHTED-AVERAGE SHARES USED IN COMPUTING EARNINGS PER SHARE**

**Note 18 — FINANCIAL INSTRUMENTS**

**Note 19 — FAIR VALUE**

**Note 20 — BUSINESS COMBINATIONS**

**Note 21 — SHAREHOLDERS' EQUITY**

**Note 22 — SUBSEQUENT EVENTS**

**Note 23 — SELECTED QUARTERLY FINANCIAL DATA (UNAUDITED)**

**Note 1 — DESCRIPTION OF BUSINESS AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

**Description of Business**

PolyOne Corporation (PolyOne, Company, we, us or our) is a premier provider of specialized polymer materials, services and solutions with operations in thermoplastic compounds, specialty polymer formulations, color and additive systems, thermoplastic resin distribution and specialty polyvinyl chloride (PVC) resins. We also have an equity investment that manufactures caustic soda and chlorine. PolyOne was incorporated in the state of Ohio on August 31, 2000.

Our operations are located primarily in the United States, Europe, Canada, Asia, Mexico, and Brazil. Our operations are reported in five reportable segments: Global Specialty Engineered Materials; Global Color, Additives and Inks; Performance Products and Solutions; PolyOne Distribution; and SunBelt Joint Venture. See Note 16, *Segment Information*, for more information.

**Consolidation and Basis of Presentation**

The consolidated financial statements include the accounts of PolyOne and its subsidiaries. All majority-owned affiliates over which we have control are consolidated. Investments in affiliates and joint ventures in which our ownership is 50% or less, or in which we do not have control but have the ability to exercise significant influence over operating and financial policies, are accounted for under the equity method. Intercompany transactions are eliminated. Transactions with related parties, including joint ventures, are in the ordinary course of business.

**Reclassifications**

Certain reclassifications of the prior period amounts and presentation have been made to conform to the presentation for the current period.

## Use of Estimates

Preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates and assumptions in certain circumstances that affect amounts reported in the accompanying consolidated financial statements and notes. Actual results could differ from these estimates.

## Cash and Cash Equivalents

We consider all highly liquid investments purchased with a maturity of less than three months to be cash equivalents. Cash equivalents are stated at cost, which approximates fair value.

## Allowance for Doubtful Accounts

We evaluate the collectability of trade receivables based on a combination of factors. We regularly analyze significant customer accounts and, when we become aware of a specific customer's inability to meet its financial obligations to us, such as in the case of a bankruptcy filing or deterioration in the customer's operating results or financial position, we record a specific allowance for bad debt to reduce the related receivable to the amount we reasonably believe is collectible. We also record bad debt allowances for all other customers based on a variety of factors including the length of time the receivables are past due, the financial health of the customer, economic conditions and historical experience. In estimating the allowances, we take into consideration the existence of credit insurance. If circumstances related to specific customers change, our estimates of the recoverability of receivables could be adjusted further.

## Inventories

Inventories are stated at the lower of cost or market using the first-in, first-out (FIFO) method.

## Property and Depreciation

Property, plant and equipment is carried at cost, net of depreciation and amortization that is computed using the straight-line method over the estimated useful life of the assets, which ranges from 3 to 15 years for machinery and equipment and up to 40 years for buildings. Computer software is amortized over periods not exceeding 10 years. Property, plant and equipment is generally depreciated on accelerated methods for income tax purposes. We expense repair and maintenance costs as incurred.

We capitalize replacements and betterments that increase the estimated useful life of an asset. We capitalize interest expense on major construction and development projects while in progress.

We retain fully depreciated assets in property and accumulated depreciation accounts until we remove them from service. In the case of sale, retirement or disposal, the asset cost and related accumulated depreciation balance is removed from the respective account, and the resulting net amount, less any proceeds, is

included as a component of income (loss) from continuing operations in the accompanying consolidated statements of operations.

We account for operating leases under the provisions of Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) Topic 840, *Leases*.

## Impairment of Long-Lived Assets

We assess the recoverability of long-lived assets whenever events or changes in circumstances indicate that we may not be able to recover the assets' carrying amount. We measure the recoverability of assets to be held and used by a comparison of the carrying amount of the asset to the expected net future undiscounted cash flows associated with the asset. We measure the amount of impairment of long-lived assets as the amount by which the carrying value of the asset exceeds the fair value of the asset, which is generally determined based on projected discounted future cash flows or appraised values.

## Goodwill and Other Intangible Assets

Goodwill is the excess of the purchase price paid over the fair value of the net assets of the acquired business. Goodwill and other indefinite-lived intangible assets are tested for impairment at the reporting unit level. Our reporting units have been identified at the operating segment level or in some cases one level below the operating segment level. Goodwill is allocated to the reporting units based on the estimated fair value at the date of acquisition.

Our annual measurement date for testing impairment of goodwill and other indefinite-lived intangibles is October 1st. We completed our testing of impairment on October 1, 2010, noting no impairment. The future occurrence of a potential indicator of impairment would require an interim assessment for some or all of the reporting units prior to the next required annual assessment on October 1, 2011. Refer to Note 19, *Fair Value*, for further discussion of our approach for assessing fair value of goodwill.

## Litigation Reserves

FASB ASC Topic 450, *Contingencies*, requires that we accrue for loss contingencies associated with outstanding litigation, claims and assessments for which management has determined it is probable that a loss contingency exists and the amount of loss can be reasonably estimated. We record expense associated with professional fees related to litigation claims and assessments as incurred.

## Derivative Financial Instruments

FASB ASC Topic 815, *Derivative and Hedging*, requires that all derivative financial instruments, such as foreign exchange contracts, be recognized in the financial statements and measured at fair value, regardless of the purpose or intent in holding them.

We are exposed to foreign currency changes in the normal course of business. We have established policies and procedures that manage this exposure through the use of financial

instruments. By policy, we do not enter into these instruments for trading purposes or speculation.

We enter into intercompany lending transactions denominated in various foreign currencies and are subject to financial exposure from foreign exchange rate movement over the term of the loans. To mitigate this risk, we enter into foreign exchange contracts with major financial institutions. These contracts are not treated as hedges and, as a result, are adjusted to fair value, with the resulting gains and losses recognized as other income or expense in the accompanying consolidated statements of operations. Realized and unrealized gains and losses on these contracts offset the foreign exchange gains and losses on the underlying transactions. Our forward contracts have original maturities of one year or less. See Note 18, *Financial Instruments*, for more information.

### Pension and Other Post-retirement Plans

We account for our pensions and other post-retirement benefits in accordance with FASB ASC Topic 715, *Compensation — Retirement Benefits*. This standard requires us to (1) recognize the funded status of the benefit plans in our statement of financial position, (2) recognize as a component of other comprehensive income, net of tax, the gains or losses and prior service costs or credits that arise during the period but are not recognized as components of net periodic benefit cost, (3) measure defined benefit plan assets and obligations as of the date of the employer's fiscal year end statement of financial position and (4) disclose additional information in the notes to financial statements about certain effects on net periodic benefit costs for the next fiscal year that arise from delayed recognition of gains or losses, prior service costs or credits, and transition assets or obligations.

### Accumulated Other Comprehensive Loss

Accumulated other comprehensive loss at December 31, 2010 and 2009 are as follows:

(In millions)	2010	2009
Foreign currency translation adjustments	\$ (8.6)	\$ (4.3)
Unrecognized losses, transition obligation and prior service costs	(163.7)	(154.4)
Unrealized gain in available-for-sale securities	0.2	0.2
	<u>\$ (172.1)</u>	<u>\$ (158.5)</u>

### Fair Value of Financial Instruments

FASB ASC Topic 820, *Fair Value Measurements and Disclosures*, requires disclosures of the fair value of financial instruments. The estimated fair values of financial instruments were principally based on market prices where such prices were available and, where unavailable, fair values were estimated based on market prices of similar instruments. See Note 18, *Financial Instruments*, for further discussion.

### Foreign Currency Translation

Revenues and expenses are translated at average currency exchange rates during the related period. Assets and liabilities of foreign subsidiaries and equity investees are translated using the exchange rate at the end of the period. The resulting translation adjustment is recorded as accumulated other comprehensive income or loss in shareholders' equity. Gains and losses resulting from foreign currency transactions, including intercompany transactions that are not considered permanent investments, are included in other income, net in the accompanying consolidated statements of operations.

### Revenue Recognition

We recognize revenue when the revenue is realized or realizable, and has been earned. We recognize revenue when a firm sales agreement is in place, shipment has occurred and collectability of the fixed or determinable sales price is reasonably assured.

### Shipping and Handling Costs

Shipping and handling costs are included in cost of sales.

### Research and Development Expense

Research and development costs, which were \$33.8 million in 2010, \$30.2 million in 2009 and \$33.8 million in 2008, are charged to expense as incurred.

### Environmental Costs

We expense costs that are associated with managing hazardous substances and pollution in ongoing operations on a current basis. Costs associated with the remediation of environmental contamination are accrued when it becomes probable that a liability has been incurred and our proportionate share of the cost can be reasonably estimated.

### Equity Affiliates

We account for our investments in equity affiliates under FASB ASC Topic 323, *Investments — Equity Method and Joint Ventures*. We recognize our proportionate share of the income of equity affiliates. Losses of equity affiliates are recognized to the extent of our investment, advances, financial guarantees and other commitments to provide financial support to the investee. Any losses in excess of this amount are deferred and reduce the amount of future earnings of the equity investee recognized by PolyOne. As of December 31, 2010 and 2009, there were no deferred losses related to equity investees.

We recognize impairment losses in the value of investments that we judge to be other than temporary. See Note 4, *Financial Information of Equity Affiliates*, for more information.

## Share-Based Compensation

We account for share-based compensation under the provisions of FASB ASC Topic 718, *Compensation — Stock Compensation*, which requires us to estimate the fair value of share-based awards on the date of grant using an option-pricing model. The value of the portion of the award that is ultimately expected to vest is recognized as expense over the requisite service periods in the accompanying consolidated statements of operations. As of December 31, 2010, we had one active share-based employee compensation plan, which is described more fully in Note 15, *Share-Based Compensation*.

## Income Taxes

Deferred tax liabilities and assets are determined based upon the differences between the financial reporting and tax basis of assets and liabilities and are measured using the tax rate and laws currently in effect. In accordance with FASB ASC Topic 740, *Income Taxes*, we evaluate our deferred income taxes to determine whether a valuation allowance should be established against the deferred tax assets or whether the valuation allowance should be reduced based on consideration of all available evidence, both positive and negative, using a “more likely than not” standard.

## Note 2 — GOODWILL AND INTANGIBLE ASSETS

The total purchase price associated with acquisitions is allocated to the fair value of assets acquired and liabilities assumed based on their fair values at the acquisition date, with excess amounts recorded as goodwill. We completed an acquisition in 2010 that resulted in the addition of \$0.4 million of goodwill during the year ended December 31, 2010. In 2009, the acquisition of New England Urethane, Inc. (NEU) resulted in the addition of \$4.5 million of goodwill and \$5.9 million in identifiable intangibles.

Goodwill as of December 31, 2010 and 2009, and changes in the carrying amount of goodwill by segment was as follows:

(In millions)	Global Specialty	Global Color,	Performance	PolyOne	Total
	Engineered Materials	Additives and Inks	Products and Solutions	Distribution	
Balance at January 1, 2009	\$77.9	\$72.0	\$12.4	\$1.6	\$163.9
Acquisition of businesses	4.5	—	—	—	4.5
Impairment	—	—	(5.0)	—	(5.0)
Translations and other adjustments	—	0.1	—	—	0.1
Balance at December 31, 2009	\$82.4	\$72.1	\$ 7.4	\$1.6	\$163.5
Acquisition of businesses	—	0.4	—	—	0.4
Impairment	—	—	—	—	—
Translations and other adjustments	0.2	—	—	—	0.2
Balance at December 31, 2010	\$82.6	\$72.5	\$ 7.4	\$1.6	\$164.1

Other adjustments to goodwill primarily represented final adjustments to the purchase price allocation for acquisitions during the measurement period subsequent to the acquisition date. Total

accumulated impairment losses were \$203.3 million as of December 31, 2010 and 2009. Of these accumulated impairment losses, \$12.2 million relates to Global Specialty Engineered Materials, \$16.1 million relates to Global Color Additives and Inks, and \$175.0 million relates to Performance Products and Solutions.

At December 31, 2010, PolyOne had \$33.2 million of indefinite-lived other intangible assets that are not subject to amortization, consisting of a trade name acquired as part of the acquisition of GLS Corporation.

Information regarding PolyOne’s finite-lived other intangible assets follows:

(In millions)	As of December 31, 2010			
	Acquisition Cost	Accumulated Amortization	Currency Translation	Net
Non-contractual customer relationships	\$42.2	\$(14.6)	\$ —	\$27.6
Sales contracts	11.4	(10.6)	—	0.8
Patents, technology and other	9.4	(4.3)	1.1	6.2
Total	\$63.0	\$(29.5)	\$1.1	\$34.6

(In millions)	As of December 31, 2009			
	Acquisition Cost	Accumulated Amortization	Currency Translation	Net
Non-contractual customer relationships	\$42.2	\$(11.7)	\$ —	\$30.5
Sales contracts	11.4	(10.4)	—	1.0
Patents, technology and other	9.5	(3.7)	1.2	7.0
Total	\$63.1	\$(25.8)	\$1.2	\$38.5

Amortization of other finite-lived intangible assets for the years ended December 31, 2010, 2009 and 2008 was \$3.7 million, \$3.3 million and \$3.3 million, respectively. As of December 31, 2010, we expect amortization expense on other finite-lived intangibles for the next five years as follows: 2011 — \$3.5 million; 2012 — \$3.1 million; 2013 — \$3.1 million; 2014 — \$3.0 million; and 2015 — \$2.9 million.

## Note 3 — EMPLOYEE SEPARATION AND PLANT PHASE-OUT

Management has undertaken certain restructuring initiatives to reduce costs and, as a result, we have incurred employee separation and plant phase-out costs.

Employee separation costs include one-time termination benefits including salary continuation benefits, medical coverage and outplacement assistance and are based on a formula that takes into account each individual employee’s base compensation and length of service. Employee separation costs also include on-going postemployment benefits accounted for under FASB ASC Topic 712, *Compensation — Nonretirement Postemployment Benefits*, which



are accrued when it is probable that a liability has been incurred and the amount can be reasonably estimated.

Plant phase-out costs include the impairment of property, plant and equipment at manufacturing facilities and the resulting write-down of the carrying value of these assets to fair value, which represents management's best estimate of the net proceeds to be received for the assets to be sold or scrapped, less any costs to sell. Plant phase-out costs also include cash facility closing costs and lease termination costs. Assets transferred to our other facilities are transferred at net book value.

Employee separation and plant phase-out costs associated with continuing operations are reflected on the line *Corporate and eliminations* in Note 16, *Segment Information*. A summary of total employee separation and plant phase-out costs, including where the charges are recorded in the accompanying consolidated statements of operations, follows:

(In millions)	2010	2009	2008
Cost of sales	\$2.0	\$24.4	\$29.3
Selling and administrative	1.1	2.8	10.4
Total employee separation and plant phase-out	\$3.1	\$27.2	\$39.7

Included in 2010 employee separation and plant phase-out costs shown in the preceding table were charges of \$0.2 million, included in *Cost of sales*, for accelerated depreciation related to our restructuring initiatives. Included in employee separation and plant phase-out costs, in 2009, shown in the preceding table were charges of \$7.4 million, included in *Cost of sales*, and \$1.2 million, included in *Selling and administrative*, for accelerated depreciation related to our restructuring initiatives. Cash payments for employee separation and plant phase-out costs during 2010, 2009 and 2008 were \$6.3 million, \$32.1 million and \$5.5 million, respectively.

In July 2008, we announced the restructuring of certain manufacturing assets, including the closure of seven production facilities in North America and one in the United Kingdom. In January 2009, we announced further cost saving measures that included eliminating approximately 370 positions worldwide, implementing reduced work schedules for another 100 to 300 employees, closing our Niagara, Ontario facility and idling certain other capacity. We recognized charges of \$26.9 million and \$38.3 million in 2009 and 2008, respectively, related to these actions. We do not expect to incur significant additional expenses associated with these activities.

The following table details the charges and changes to the reserves associated with our restructuring initiatives for the year ended December 31, 2010:

(In millions)	Employee Separation Costs	Plant Phase-out Costs		Total
		Cash Closure	Asset Write-downs	
Balance at January 1, 2008	\$ —	\$ —	\$ —	\$ —
Charge	26.1	2.2	10.0	38.3
Utilized	(2.4)	(1.5)	(10.0)	(13.9)
Balance at December 31, 2008	\$ 23.7	\$ 0.7	\$ —	\$ 24.4
Charge	3.0	8.4	15.5	26.9
Utilized	(23.8)	(7.5)	(15.5)	(46.8)
Impact of foreign currency translation	0.1	0.1	—	0.2
Balance at December 31, 2009	\$ 3.0	\$ 1.7	\$ —	\$ 4.7
Charge	1.0	1.7	0.1	2.8
Utilized	(3.5)	(2.8)	(0.1)	(6.4)
Impact of foreign currency translation	—	0.1	—	0.1
Balance at December 31, 2010	\$ 0.5	\$ 0.7	\$ —	\$ 1.2

#### Note 4 — FINANCIAL INFORMATION OF EQUITY AFFILIATES

SunBelt Chlor-Alkali Partnership (SunBelt) is reported in the SunBelt Joint Venture segment. PolyOne owns 50% of SunBelt. The remaining 50% of SunBelt is owned by Olin SunBelt Inc., a wholly owned subsidiary of the Olin Corporation.

Summarized financial information for SunBelt follows:

(In millions)	2010	2009	2008
SunBelt:			
Net sales	\$157.3	\$167.4	\$173.0
Operating income	\$ 53.9	\$ 67.6	\$ 73.6
Partnership income as reported by SunBelt	\$ 46.2	\$ 59.4	\$ 65.1
PolyOne's ownership of SunBelt	50%	50%	50%
Earnings of equity affiliate recorded by PolyOne	\$ 23.1	\$ 29.7	\$ 32.5

Summarized balance sheet as of December 31:	2010	2009
Current assets	\$21.2	\$ 16.1
Non-current assets	78.7	94.1
Total assets	\$99.9	110.2
Current liabilities	\$21.3	21.4
Non-current liabilities	73.1	85.3
Total liabilities	\$94.4	106.7
Partnership interest	\$ 5.5	\$ 3.5

Through its disposition on November 30, 2010, we owned 50% of BayOne Urethane Systems, L.L.C. (BayOne), which was included in Global Color, Additives and Inks. Through its disposition on October 13, 2009, the former Geon Polimeros Andinos (GPA) equity affiliate was included in Performance Products and Solutions.

Combined summarized financial information for these other equity affiliates follows:

(In millions)	2010	2009	2008
Net sales	\$51.5	\$77.9	\$112.2
Operating income	5.3	6.2	7.7
Partnership income as reported by other equity affiliates	5.2	5.4	6.6
Equity affiliate earnings recorded by PolyOne	2.6	2.7	3.4
<b>Summarized balance sheet as of December 31:</b>			
		<b>2010</b>	<b>2009</b>
Current assets		\$0.1	\$ 7.1
Non-current assets		4.4	4.2
Total assets		\$4.5	\$11.3
Current liabilities		\$6.8	\$ 8.8
Non-current liabilities		—	—
Total liabilities		\$6.8	\$ 8.8

On November 30, 2010, we sold our interest in BayOne for cash proceeds of \$19.3 million and recorded a pre-tax gain of \$16.3 million in the fourth quarter 2010 results of operations. On October 13, 2009, we sold our interest in GPA for cash proceeds of \$13.5 million and recorded a pre-tax gain of \$2.8 million in the fourth quarter 2009 results of operations.

## Note 5 — FINANCING ARRANGEMENTS

Long-term debt as of December 31 consisted of the following:

(Dollars in millions)	December 31, 2010 <sup>(1)</sup>	December 31, 2009 <sup>(1)</sup>
Medium-term notes:		
6.52% medium-term notes due 2010	\$ —	\$ 19.9
6.58% medium-term notes due 2011	20.0	19.7
Credit facility borrowings, terminated in 2010	—	40.0
8.875% senior notes due 2012	22.9	279.5
7.500% debentures due 2015	50.0	50.0
7.375% senior notes due 2020	360.0	—
Total long-term debt	\$452.9	\$409.1
Less current portion	20.0	19.9
Total long-term debt, net of current portion	\$432.9	\$389.2

<sup>(1)</sup> Book values include unamortized discounts, where applicable.

In February 2010, we repaid \$20 million aggregate principal amount of our 6.52% medium-term notes.

In July 2010, we repaid \$40 million of outstanding borrowings and terminated the related commitments under our \$40 million

unsecured revolving and letter of credit facility, which was scheduled to mature on March 20, 2011. Debt extinguishment costs of \$1.4 million related to the early retirement of this debt are shown within the *Debt extinguishment costs* line in our Consolidated Statement of Operations.

In September 2010, we issued \$360 million of senior unsecured notes at par that mature in September 2020 and bear interest at 7.375% per annum, payable semi-annually in arrears on March 15th and September 15th of each year. Deferred financing costs of \$7.3 million from the issuance are included in *Other non-current assets* and will be amortized over 10 years, the term of the senior unsecured notes. We used a portion of the net proceeds from the issuance of these notes to repurchase \$257.1 million aggregate principal amount of its 8.875% senior notes due May 2012 at a premium of \$25.7 million. The tender premium, \$0.7 million of other debt extinguishment costs and the write-off of deferred note issuance costs of \$1.7 million are shown within the *Debt extinguishment costs* line in our Consolidated Statement of Operations.

Aggregate maturities of long-term debt for the next five years are: 2011 — \$20.0 million; 2012 — \$22.9 million; 2013 — \$0.0 million; 2014 — \$0.0 million; 2015 — \$50.0 million; and thereafter — \$360.0 million.

Included in *Interest expense, net* for the years ended December 31, 2010, 2009 and 2008 was interest income of \$2.9 million, \$3.2 million, and \$3.4 million respectively. Total interest paid on long-term and short-term borrowings was \$34.4 million in 2010, \$35.1 million in 2009 and \$37.1 million in 2008.

As of December 31, 2010, our secured borrowings were not at levels that would trigger the security provisions of the indentures governing our senior notes and debentures and our guarantee of the SunBelt notes. See Note 12, *Commitments and Related-Party Information*.

We entered into a definitive Guarantee and Agreement with Citicorp USA, Inc., KeyBank National Association and PNC Bank (formerly known as National City Bank) on June 6, 2006. Under this Guarantee and Agreement, we guarantee some treasury management and banking services provided to us and our subsidiaries, such as foreign currency forwards and bank overdrafts. This guarantee is secured by our inventories located in the United States.

## Note 6 — LEASING ARRANGEMENTS

We lease certain manufacturing facilities, warehouse space, machinery and equipment, automobiles and railcars under operating leases. Rent expense was \$22.4 million in 2010, \$20.6 million in 2009 and \$24.0 million in 2008.

Future minimum lease payments under non-cancelable operating leases with initial lease terms longer than one year as of December 31, 2010 were as follows: 2011 — \$22.5 million; 2012 — \$19.3 million; 2013 — \$14.7 million; 2014 — \$9.8 million; 2015 — \$7.3 million; and thereafter — \$20.0 million.

## Note 7 — ACCOUNTS RECEIVABLE

Accounts receivable as of December 31 consist of the following:

(In millions)	2010	2009
Trade accounts receivable	\$135.4	\$129.2
Retained interest in securitized accounts receivable	163.2	151.1
Allowance for doubtful accounts	(4.1)	(5.9)
	<u>\$294.5</u>	<u>\$274.4</u>

The following table details the changes in allowance for doubtful accounts:

(In millions)	2010	2009	2008
Balance at beginning of the year	\$(5.9)	\$(6.7)	\$(4.8)
Provision for doubtful accounts	(2.5)	(3.3)	(6.0)
Accounts written off	4.1	4.0	4.2
Translation and other adjustments	0.2	0.1	(0.1)
Balance at end of year	<u>\$(4.1)</u>	<u>\$(5.9)</u>	<u>\$(6.7)</u>

*Sale of Accounts Receivable* — Under the terms of our receivables sale facility, we sell accounts receivable to PolyOne Funding Corporation (PFC) and PolyOne Funding Canada Corporation (PFCC), both wholly-owned, bankruptcy-remote subsidiaries. PFC and PFCC, in turn, may sell an undivided interest in up to \$175.0 million and \$25.0 million of these accounts receivable, respectively, to certain investors. The receivables sale facility matures in June 2012. As of December 31, 2010 and 2009, accounts receivable totaling \$163.2 million and \$151.1 million, respectively, were sold by us to PFC and PFCC. The maximum proceeds that PFC and PFCC may receive under the facility is limited to the lesser of \$200.0 million or 85% of the eligible domestic and Canadian accounts receivable sold. We retain an interest in the difference between the amount of trade receivables sold by us to PFC and PFCC and the undivided interest sold by PFC and PFCC. As of December 31, 2010 and 2009, neither PFC nor PFCC had sold any of their undivided interests in accounts receivable.

The receivables sale facility also makes up to \$40.0 million available for the issuance of standby letters of credit as a sub-limit within the \$200.0 million limit under the facility, of which \$12.9 million was used at December 31, 2010. The level of availability under the receivables sale facility is based on the prior month's total accounts receivable sold to PFC and PFCC, as reduced by outstanding letters of credit. Additionally, availability is dependent upon compliance with a fixed charge coverage ratio covenant related primarily to operating performance that is set forth in the related agreements. As of December 31, 2010, we were in compliance with these covenants. As of December 31, 2010, \$128.2 million of securitized accounts receivable were available for sale.

We also service the underlying accounts receivable and receive a service fee of 1% per annum on the average daily amount of the outstanding interests in our receivables. The net discount and other costs of the receivables sale facility are included in *Other expense, net* in the accompanying consolidated statements of operations.

## Note 8 — INVENTORIES

Components of *Inventories* are as follows:

(In millions)	December 31, 2010	December 31, 2009
At FIFO cost:		
Finished products	\$129.2	\$108.4
Work in process	2.4	2.4
Raw materials and supplies	79.7	72.9
	<u>\$211.3</u>	<u>\$183.7</u>

## Note 9 — PROPERTY

Components of *Property, net* are as follows:

(In millions)	December 31, 2010	December 31, 2009
Land and land improvements	\$ 43.5	\$ 43.3
Buildings	290.0	288.2
Machinery and equipment	909.7	902.7
	1,243.2	1,234.2
Less accumulated depreciation and amortization	(868.8)	(841.8)
	<u>\$ 374.4</u>	<u>\$ 392.4</u>

Depreciation expense was \$51.5 million in 2010, \$61.5 million in 2009 and \$64.7 million in 2008. During 2010, 2009 and 2008, we recorded \$0.2 million, \$8.6 million and \$6.9 million, respectively, of accelerated depreciation related to restructuring.

## Note 10 — OTHER BALANCE SHEET LIABILITIES

Other liabilities at December 31, 2010 and 2009 consist of the following:

(In millions)	Accrued Expenses		Non-current Liabilities	
	December 31,		December 31,	
	2010	2009	2010	2009
Employment costs	\$ 87.5	\$ 68.8	\$ 32.2	\$22.0
Environmental	16.2	10.2	71.2	71.5
Taxes	17.1	7.8	—	—
Pension and other post-employment benefits	8.3	9.2	—	—
Interest	7.8	5.2	—	—
Other	8.9	15.8	10.9	5.1
	<u>\$145.8</u>	<u>\$117.0</u>	<u>\$114.3</u>	<u>\$98.6</u>

## Note 11 — EMPLOYEE BENEFIT PLANS

We have several pension plans; however, as of December 31, 2010, only certain foreign plans accrue benefits. The plans generally provide benefit payments using a formula that is based upon employee compensation and length of service. All U.S. defined benefit pension plans are frozen, no longer accrue benefits and are closed to new participants.

On January 15, 2009, we adopted amendments to the Geon Pension Plan (Geon Plan), the Benefit Restoration Plan (BRP), the

voluntary retirement savings plan (RSP) and the Supplemental Retirement Benefit Plan (SRP). Effective March 20, 2009, the amendments to the Geon Plan and the BRP permanently froze future benefit accruals and provide that participants will not receive credit under the Geon Plan or the BRP for any eligible earnings paid on or after that date. Additionally, certain benefits provided under the RSP and SRP were eliminated after March 20, 2009. These actions resulted in a reduction of our 2009 annual benefit expense of \$3.7 million.

We also sponsor several unfunded defined benefit post-retirement plans that provide subsidized health care and life insurance

The following tables present the change in benefit obligation, change in plan assets and components of funded status for defined benefit pension and post-retirement health care benefit plans. Actuarial assumptions that were used are also included.

(In millions)	Pension Benefits		Health Care Benefits	
	2010	2009	2010	2009
Change in benefit obligation:				
Projected benefit obligation — beginning of year	\$ 498.7	\$ 501.2	\$ 26.6	\$ 91.0
Service cost	1.6	1.4	—	0.1
Interest cost	29.6	30.7	1.3	4.1
Actuarial loss (gain)	24.6	21.4	(0.9)	(6.4)
Participant contributions	—	0.1	0.6	5.9
Benefits paid	(39.1)	(38.9)	(4.7)	(10.9)
Plan amendments/settlements	—	(18.0)	—	(58.1)
Other	(1.0)	0.8	0.3	0.9
Projected benefit obligation — end of year	\$ 514.4	\$ 498.7	\$ 23.2	\$ 26.6
Projected salary increases	2.8	2.1	—	—
Accumulated benefit obligation	\$ 511.6	\$ 496.6	\$ 23.2	\$ 26.6
Change in plan assets:				
Plan assets — beginning of year	\$ 320.6	\$ 271.9	\$ —	\$ —
Actual return on plan assets	40.2	63.7	—	—
Company contributions	33.4	23.5	4.1	5.0
Plan participants' contributions	0.1	0.1	0.6	5.9
Benefits paid	(39.1)	(38.9)	(4.7)	(10.9)
Other	(0.6)	0.3	—	—
Plan assets — end of year	\$ 354.6	\$ 320.6	\$ —	\$ —
Under-funded status at end of year	\$ (159.8)	\$ (178.1)	\$ (23.2)	\$ (26.6)

Plan assets of \$354.6 million and \$320.6 million as of December 31, 2010 and 2009, respectively, relate to our qualified pension plans that have a projected benefit obligation of \$468.3 million and \$455.4 million as of December 31, 2010 and 2009, respectively. As of December 31, 2010 and 2009, we are 76% and 70% funded, respectively, in regards to these plans and their respective projected benefit obligation.

Amounts included in the accompanying consolidated balance sheets are as follows:

(In millions)	Pension Benefits		Health Care Benefits	
	2010	2009	2010	2009
Other non-current assets	\$ 0.2	\$ 0.3	\$ —	\$ —
Current liabilities	5.0	5.0	3.7	4.6
Long-term liabilities	155.0	173.4	19.5	22.0

Amounts recognized in accumulated other comprehensive income (AOCI):

(In millions)	Pension Benefits		Health Care Benefits	
	2010	2009	2010	2009
Net loss	\$230.4	\$229.0	\$ 7.5	\$ 8.9
Prior service loss (credit)	0.1	1.2	(34.8)	(52.3)
	\$230.5	\$230.2	\$(27.3)	\$(43.4)

Change in AOCI:

(In millions)	Pension Benefits		Health Care Benefits	
	2010	2009	2010	2009
AOCI in prior year	\$230.2	\$280.6	\$(43.4)	\$ (8.7)
Prior service (cost) credit recognized during year	(0.8)	(0.5)	17.4	30.3
Prior service credit (cost) occurring in the year	—	0.5	—	(58.1)
Net (gain) loss recognized during the year	(9.4)	(12.0)	(0.5)	(0.6)
Net loss(gain) occurring in the year	10.6	(38.5)	(0.9)	(6.4)
Other adjustments	(0.1)	0.1	0.1	0.1
AOCI in current year	\$230.5	\$230.2	\$(27.3)	\$(43.4)

As of December 31, 2010 and 2009, we had plans with total projected and accumulated benefit obligations in excess of the related plan assets as follows:

(In millions)	Pension Benefits		Health Care Benefits	
	2010	2009	2010	2009
Projected benefit obligation	\$509.5	\$497.9	\$23.2	\$26.6
Accumulated benefit obligation	511.6	495.9	23.2	26.6
Fair value of plan assets	353.6	319.6	—	—

(In millions)	Pension Benefits		Health Care Benefits	
	2010	2009	2010	2009
Weighted-average assumptions used to determine benefit obligation at December 31:				
Discount rate	5.71%	6.17%	5.07%	5.61%
Rate of compensation increase	3.5%	3.5%	—	—
Assumed health care cost trend rates at December 31:				
Health care cost trend rate assumed for next year	—	—	8.50%	9.25%
Rate to which the cost trend rate is assumed to decline (the ultimate trend rate)	—	—	5.00%	5.00%
Year that the rate reaches the ultimate trend rate	—	—	2018	2016

Assumed health care cost trend rates have an effect on the amounts reported for the health care plans. A one percentage point change in assumed health care cost trend rates would have the following impact:

(In millions)	One Percentage	One Percentage
	Point Increase	Point Decrease
Effect on total of service and interest cost	\$0.1	\$(0.1)
Effect on post-retirement benefit obligation	1.2	(1.1)

An expected return on plan assets of 8.5% will be used to determine the 2011 pension expense. The expected long-term rate of return on pension assets was determined after considering the historical experience of long-term asset returns by asset category, the expected investment portfolio mix by category of asset and estimated future long-term investment returns.

The following table summarizes the components of net period benefit cost that was recognized during each of the years in the three-year period ended December 31, 2010. Actuarial assumptions that were used are also included.

(In millions)	Pension Benefits			Health Care Benefits		
	2010	2009	2008	2010	2009	2008
Components of net periodic benefit costs:						
Service cost	\$ 1.6	\$ 1.4	\$ 1.3	\$ —	\$ 0.1	\$ 0.3
Interest cost	29.6	30.7	32.4	1.3	4.1	5.5
Expected return on plan assets	(26.2)	(21.8)	(33.4)	—	—	—
Amortization of net loss	9.4	12.1	7.5	0.5	0.6	1.2
Curtailment (gain) loss and settlement charges	—	(0.8)	0.5	—	(21.1)	—
Amortization of prior service credit (cost)	0.8	0.8	0.2	(17.4)	(9.1)	(5.6)
	\$ 15.2	\$ 22.4	\$ 8.5	\$(15.6)	\$(25.4)	\$ 1.4

	Pension Benefits			Health Care Benefits		
	2010	2009	2008	2010	2008	2008
Weighted-average assumptions used to determine net periodic benefit cost for the years ended December 31:						
Discount rate	6.17%	6.61%	6.78%	5.61%	6.50%	6.61%
Expected long-term return on plan assets	8.50%	8.50%	8.50%	—	—	—
Rate of compensation increase	3.5%	3.5%	3.5%	—	—	—
Assumed health care cost trend rates at December 31:						
Health care cost trend rate assumed for next year	—	—	—	9.25%	9.25%	9.25%
Rate to which the cost trend rate is assumed to decline (the ultimate trend rate)	—	—	—	5.00%	5.00%	5.00%
Year that the rate reaches the ultimate trend rate	—	—	—	2016	2015	2015

The amounts in accumulated other comprehensive income that are expected to be amortized as net expense (income) during fiscal year 2011 are as follows:

(In millions)	Pension Benefits	Health Care Benefits
Amount of net prior service credit	\$0.2	\$(17.4)
Amount of net loss	9.3	0.5

Our pension asset investment strategy is to diversify the asset portfolio among and within asset categories to enhance the portfolio's risk-adjusted return. Our portfolio asset mix also considers the duration of plan liabilities, historical and expected returns of the

asset investments, and the funded status of the plan. The pension asset allocation is reviewed and actively managed based on the funded status of the plan. As the funded status of the plan increases, the asset allocation is adjusted to decrease the level of risk. Based on the current funded status of the plan, our pension asset investment allocation guidelines are to invest 40% to 75% in equity securities, 15% to 45% in fixed income securities, 5% to 15% in all asset funds, and 0% to 10% in alternative investments. These alternative investments may include funds of multiple asset investment strategies and funds of hedge funds.

The fair values of pension plan assets at December 31, 2010 and 2009, by asset category, are as follows:

(In millions)	Fair Value of Plan Assets at December 31, 2010				Fair Value of Plan Assets at December 31, 2009			
	Quoted	Significant	Significant	Total	Quoted	Significant	Significant	Total
	Prices in	Other	Unobservable		Prices in	Other	Unobservable	
	Active	Observable	Inputs	Active	Observable	Inputs		
Markets	Inputs	Inputs	Markets	Inputs	Inputs			
	(Level 1)	(Level 2)	(Level 3)		(Level 1)	(Level 2)	(Level 3)	
<b>Asset category</b>								
Cash and cash equivalents	\$ 17.0	\$—	\$ —	\$ 17.0	\$ 14.4	\$—	\$ —	\$ 14.4
Large cap equity funds	45.3	—	—	45.3	38.9	—	—	38.9
Mid cap equity funds	38.5	—	—	38.5	32.4	—	—	32.4
Small cap equity funds	36.0	—	—	36.0	28.4	—	—	28.4
Global equity funds	117.3	—	—	117.3	109.8	—	—	109.8
Non-US equity funds	12.6	—	—	12.6	—	—	—	—
Fixed income funds	39.5	—	—	39.5	48.3	—	—	48.3
Multi-asset mutual fund	25.2	—	—	25.2	22.2	—	—	22.2
Floating rate income fund	21.9	—	—	21.9	11.0	—	—	11.0
Fund of hedge funds	—	—	1.3	1.3	—	—	15.2	15.2
<b>Total plan assets</b>	<b>\$353.3</b>	<b>\$—</b>	<b>\$1.3</b>	<b>\$354.6</b>	<b>\$305.4</b>	<b>\$—</b>	<b>\$15.2</b>	<b>\$320.6</b>

Large cap equity funds invest in publicly-traded equity securities of companies with a market capitalization typically in excess of \$10 billion with a focus on growth or value. Mid cap equity funds invest in publicly-traded equity securities of companies with a market capitalization typically greater than \$2 billion but less than \$10 billion with a focus on growth or value. Small cap equity funds invest in publicly-traded equity securities of companies with a market capitalization typically less than \$2 billion with a focus on growth or value. Global equity funds invest in publicly-traded equity securities of companies domiciled in the United States, developed international countries, and emerging markets typically with a market capitalization greater than \$2 billion with a focus on growth or value. Non-US Equity funds invest in publicly-traded equity securities domiciled outside the United States. The funds take a core approach (including both growth and value companies), are invested across the capitalization spectrum (including large caps and small caps), and specialize in either the developed markets or the emerging markets. Fixed income funds invest primarily in investment grade fixed income securities. The multi-asset mutual fund strategy is based on a diverse range of investments including, but not limited to, investment grade and high yield bonds, international and emerging market bonds, inflation-indexed bonds, equities and commodities. The floating rate income fund strategy is to invest primarily in a diversified portfolio of first and second lien high-yield senior floating rate loans and other floating rate debt securities.

Included in our Level 3 assets are investments in funds of hedge funds. The strategy of these investments is to achieve a return in excess of LIBOR by a margin of five hundred basis points annualized over a full market cycle by investing in 25 or more sub-hedge funds with a wide variety of different investment strategies. These investment funds use unobservable inputs that reflect assumptions market participants would be expected to use in pricing the asset. Unobservable inputs are used to measure fair value to the extent that observable inputs are not available and are

developed based on the best information available under the circumstances. In developing unobservable inputs, market participant assumptions are used if they are reasonably available without undue cost and effort. Due to liquidity restrictions related to these investments, the plan redeemed the last remaining fund of hedge funds investment in 2010 with the holdback scheduled to be released in 2011.

The following table is a reconciliation of our beginning and ending balances of our Level 3 assets for 2010 and 2009:

(In millions)	2010	2009
Level 3 plan assets — beginning of year	\$ 15.2	\$ 37.0
Return on plan assets still held at year end	—	3.1
Return on plan assets sold during the year	0.1	(0.3)
Purchases, sales and settlements, net	(14.0)	(24.6)
<b>Level 3 plan assets — end of year</b>	<b>\$ 1.3</b>	<b>\$ 15.2</b>

The estimated future benefit payments for our pension and health care plans are as follows:

(In millions)	Pension	Health Care	Medicare
	Benefits	Benefits	Part D Subsidy
2011	\$ 38.5	\$3.7	\$0.1
2012	38.6	3.0	0.1
2013	38.7	2.2	0.1
2014	38.6	2.2	0.1
2015	39.1	2.1	0.1
<b>2016 through 2020</b>	<b>193.8</b>	<b>8.8</b>	<b>0.5</b>

We currently estimate that 2011 employer contributions will be \$24.8 million to all qualified and nonqualified pension plans and \$3.7 million to all health care benefit plans.

We sponsor a voluntary retirement savings plan (RSP). Under the provisions of this plan, eligible employees receive defined

Company contributions of 2% of their eligible earnings plus they are eligible for Company matching contributions based on the first 6% of their eligible earnings contributed to the plan. In addition, we may make discretionary contributions to this plan for eligible employees based on a specific percentage of each employee's compensation. Following are our contributions to the RSP:

(In millions)	2010	2009	2008
Retirement savings match	\$6.2	\$5.8	\$ 6.0
Retirement benefit contribution	3.6	3.7	4.8
	<u>\$9.8</u>	<u>\$9.5</u>	<u>\$10.8</u>

## Note 12 — COMMITMENTS AND RELATED-PARTY INFORMATION

**Environmental** — We have been notified by U.S. federal and state environmental agencies and by private parties that we may be a potentially responsible party (PRP) in connection with the investigation and remediation of a number of environmental waste disposal sites. While government agencies frequently assert that PRPs are jointly and severally liable at these sites, in our experience, interim and final allocations of liability costs are generally made based on the relative contribution of waste. We believe that our potential continuing liability with respect to these sites will not have a material adverse effect on our consolidated financial position, results of operations or cash flows. In addition, we initiate corrective and preventive environmental projects of our own to ensure safe and lawful activities at our operations. We believe that compliance with current governmental regulations at all levels will not have a material adverse effect on our financial condition.

In September 2007, we were informed of rulings by the United States District Court for the Western District of Kentucky on several pending motions in the case of Westlake Vinyls, Inc. v. Goodrich Corporation, et al., which had been pending since 2003. The Court held that PolyOne must pay the remediation costs at the former Goodrich Corporation (now Westlake Vinyls, Inc.) Calvert City facility, together with certain defense costs of Goodrich Corporation. The rulings also provided that PolyOne can seek indemnification for contamination attributable to Westlake Vinyls.

The environmental obligation at the site arose as a result of an agreement by our predecessor, The Geon Company, at the time of its spin-off from Goodrich Corporation in 1993, to indemnify Goodrich Corporation for environmental costs at the site. Neither PolyOne nor The Geon Company ever owned or operated the facility. Following the Court rulings, the parties to the litigation entered into settlement negotiations and agreed to settle all claims regarding past environmental costs incurred at the site. These same Court rulings and the settlement agreement provide a mechanism to allocate future remediation costs at the Calvert City facility to Westlake Vinyls, Inc. We will adjust our environmental reserve in the future, consistent with any such future allocation of costs.

Based on estimates prepared by our environmental engineers and consultants, we had accruals totaling \$87.4 million and \$81.7 million as of December 31, 2010 and 2009, respectively, for probable future environmental expenditures relating to

previously contaminated sites. These accruals are included in *Accrued expenses* and *Other non-current liabilities* on the accompanying consolidated balance sheets. The accruals represent our best estimate of the remaining probable remediation costs, based upon information and technology that is currently available and our view of the most likely remedy. Depending upon the results of future testing, the ultimate remediation alternatives undertaken, changes in regulations, new information, newly discovered conditions and other factors, it is reasonably possible that we could incur additional costs in excess of the amount accrued at December 31, 2010. However, such additional costs, if any, cannot be currently estimated. Our estimate of this liability may be revised as new regulations or technologies are developed or additional information is obtained. These remediation costs are expected to be paid over the next 30 years.

The following table details the changes in the environmental accrued liabilities:

(In millions)	2010	2009	2008
Balance at beginning of the year	\$ 81.7	\$ 85.6	\$ 83.8
Environmental remediation (benefit) expenses	20.5	11.7	17.1
Cash receipts (payments)	(15.1)	(16.3)	(14.1)
Translation and other adjustments	0.3	0.7	(1.2)
Balance at end of year	<u>\$ 87.4</u>	<u>\$ 81.7</u>	<u>\$ 85.6</u>

Included in *Cost of sales* in the accompanying consolidated statements of operations are reimbursement of previously incurred environmental costs of \$16.7 million, \$23.9 million and \$1.5 million in 2010, 2009 and 2008, respectively.

**Guarantees** — We guarantee \$42.7 million of SunBelt's outstanding senior secured notes in connection with the construction of a chlor-alkali facility in McIntosh, Alabama. This debt matures in equal installments annually until 2017.

## Note 13 — OTHER EXPENSE, NET

*Other expense, net* for the years ended December 31, 2010, 2009 and 2008 consist of the following:

(In millions)	2010	2009	2008
Currency exchange (loss) gain	\$(5.6)	\$(0.1)	\$ 1.2
Foreign exchange contracts gain (loss)	3.8	(7.9)	(1.3)
Fees and discount on sale of trade receivables	(1.1)	(1.3)	(3.6)
Impairment of available for sale security	—	—	(0.6)
Other income (expense), net	0.6	(0.3)	(0.3)
	<u>\$(2.3)</u>	<u>\$(9.6)</u>	<u>\$(4.6)</u>

## Note 14 — INCOME TAXES

For financial statement reporting purposes, income before income taxes is summarized below based on the geographic location of the operation to which such earnings are attributable. Certain foreign operations are branches of PolyOne and are, therefore, subject to United States as well as foreign income tax regulations. As a result,



pre-tax income by location and the components of income tax expense by taxing jurisdiction are not directly related.

Income (loss) before income taxes and discontinued operations for the periods ended December 31, 2010, 2009 and 2008 consists of the following:

(In millions)	2010	2009	2008
Domestic	\$ 58.0	\$33.3	\$(143.4)
Foreign	53.0	2.9	(32.3)
	<u>\$111.0</u>	<u>\$36.2</u>	<u>\$(175.7)</u>

A summary of income tax (expense) benefit for the periods ended December 31, 2010, 2009 and 2008 is as follows:

(In millions)	2010	2009	2008
Current:			
Federal	\$ (4.8)	\$ 4.0	\$ —
State	(0.9)	4.3	(3.9)
Foreign	(12.0)	10.9	(8.5)
Total current	<u>\$(17.7)</u>	<u>\$19.2</u>	<u>\$(12.4)</u>
Deferred:			
Federal	\$ 71.9	\$ (1.7)	\$(72.3)
State	4.5	—	(2.3)
Foreign	(7.1)	(4.2)	2.5
Total deferred	<u>\$ 69.3</u>	<u>\$ (5.9)</u>	<u>\$(72.1)</u>
Total tax benefit (expense)	<u>\$ 51.6</u>	<u>\$13.3</u>	<u>\$(84.5)</u>

The principal items accounting for the difference in income taxes computed at the U.S. statutory rate for the periods ended December 31, 2010, 2009 and 2008 are as follows:

(In millions)	2010	2009	2008
Computed tax (expense) benefit at 35% of income (loss) from continuing operations before taxes	\$ (38.8)	\$(12.7)	\$ 61.5
State tax, net of federal benefit	(3.5)	3.1	(2.4)
Differences in rates of foreign operations	1.5	4.5	1.2
Changes in valuation allowances	106.4	16.6	(90.3)
Impact of foreign dividends	(11.5)	—	—
Impact of goodwill impairment charge	—	0.6	(54.2)
Recognition of uncertain tax positions	(2.0)	1.2	(0.3)
Other, net	(0.5)	—	—
Income tax benefit (expense)	<u>\$ 51.6</u>	<u>\$ 13.3</u>	<u>\$(84.5)</u>

In the fourth quarter of 2010, we determined that it is more likely than not that we will realize the benefit from our remaining U.S. deferred tax assets. During the year, we recorded a \$107.1 million reversal of valuation allowance. This amount is comprised of a \$32.1 million utilization of net operating loss carryforwards in 2010 and a \$75.0 million reversal associated with our determination that it is more likely than not that the deferred tax assets will be realized. At December 31, 2010, we had remaining valuation allowances of \$18.1 million pertaining to various state and foreign jurisdictions. We increased our existing valuation allowances for foreign deferred tax assets by \$0.7 million.

We review all valuation allowances related to deferred tax assets and adjust these reserves as necessary.

We have U.S. federal operating loss carryforwards of \$22.1 million which expire at various dates from 2024 through 2028 and combined state operating loss carryforwards of \$272.9 million which expire at various dates from 2011 through 2029. Various foreign subsidiaries have net operating loss carryforwards totaling \$35.9 million which expire at various dates from 2011 through 2020. We have provided valuation allowances of \$15.6 million against these loss carryforwards.

Components of our deferred tax liabilities and assets as of December 31, 2010 and 2009 were as follows:

(In millions)	2010	2009
Deferred tax liabilities:		
Tax over book depreciation	\$ 30.5	\$ 26.2
Intangibles	5.0	2.8
Equity investments	9.6	—
Other, net	17.9	17.6
Total deferred tax liabilities	<u>\$ 63.0</u>	<u>\$ 46.6</u>
Deferred tax assets:		
Equity investments	\$ —	\$ 1.6
Post-retirement benefits other than pensions	8.1	9.7
Employment cost and pension	62.5	61.0
Environmental	30.0	28.1
Net operating loss carryforward	17.4	32.7
State taxes	18.4	20.6
Alternative minimum tax credit carryforward	13.8	8.3
Other, net	14.9	12.4
Total deferred tax assets	<u>\$165.1</u>	<u>\$ 174.4</u>
Tax valuation allowance	(18.1)	(124.0)
Net deferred tax assets	<u>\$ 84.0</u>	<u>\$ 3.8</u>

No provision has been made for income taxes on undistributed earnings of consolidated non-United States subsidiaries of \$178 million at December 31, 2010 since it is our intention to indefinitely reinvest undistributed earnings of our foreign subsidiaries. It is not practicable to estimate the additional income taxes and applicable foreign withholding taxes that would be payable on the remittance of such undistributed earnings.

We made worldwide income tax payments of \$9.5 million and received refunds of \$7.7 million in 2010. We made worldwide income tax payments of \$15.3 million and received refunds of \$15.5 million in 2009.

As of December 31, 2010, we have a \$10.1 million liability for uncertain tax positions \$9.5 million of which, if recognized, would impact the effective tax rate. We recognize interest and penalties related to uncertain tax positions in the provision for income taxes. As of December 31, 2010 and December 31, 2009, we have accrued \$0.7 million and \$0.6 million of interest and penalties, respectively.

A reconciliation of the beginning and ending amount of unrecognized tax benefits is as follows:

(In millions)	Unrecognized Tax Benefits	
	2010	2009
Balance as of January 1	\$ 8.0	\$ 6.3
Additions based on tax positions related to the current year	1.5	0.9
Additions for tax positions of prior years	1.0	7.1
Reductions for tax positions of prior years	—	(6.0)
Settlements	(0.4)	(0.3)
Balance as of December 31	\$10.1	\$ 8.0

We are no longer subject to U.S. income tax examinations for periods preceding 2006, and with limited exceptions, for periods preceding 2003 for both foreign and state and local tax examinations.

#### Note 15 — SHARE-BASED COMPENSATION

Share-based compensation cost is based on the value of the portion of share-based payment awards that are ultimately expected to vest during the period. Share-based compensation cost recognized in the accompanying consolidated statements of operations for the years ended December 31, 2010, 2009 and 2008 includes compensation cost for share-based payment awards based on the grant date fair value estimated in accordance with the provision of FASB ASC Topic 718, *Compensation — Stock Compensation*. Because share-based compensation expense recognized in the accompanying consolidated statements of operations for the years ended December 31, 2010, 2009 and 2008 is based on awards ultimately expected to vest, it has been reduced for estimated forfeitures. We estimate forfeitures at the time of grant and revise that estimate, if necessary, in subsequent periods if actual forfeitures differ from those estimates.

#### 2010 and 2008 Equity and Performance Incentive Plans

In May 2010, our shareholders approved the PolyOne Corporation 2010 Equity and Performance Incentive Plan (2010 EPIP). This plan replaced the 2008 Equity and Performance Incentive Plan (2008 EPIP). The 2008 EPIP was frozen upon the approval of the 2010 EPIP. The 2010 EPIP provides for the award of a variety of share-based compensation alternatives, including non-qualified stock options, incentive stock options, restricted stock, restricted stock units (RSUs), performance shares, performance units and stock appreciation rights (SARs). A total of three million common shares have been reserved for grants and awards under the 2010 EPIP. It is anticipated that all share-based grants and awards that are earned

and exercised will be issued from shares of PolyOne common shares that are held in treasury.

Share-based compensation is included in *Selling and administrative* in the accompanying consolidated statements of operations. A summary of compensation expense by type of award follows:

(In millions)	2010	2009	2008
Stock appreciation rights	\$1.9	\$1.2	\$1.5
Restricted stock units	2.5	1.3	0.8
Restricted stock awards	—	0.1	0.7
Total share-based compensation	\$4.4	\$2.6	\$3.0

#### Stock Appreciation Rights

During the years ended December 31, 2010, 2009 and 2008, the total number of SARs granted were 793,200, 1,411,400 and 1,094,400, respectively. The 2010 and 2008 awards vest in one-third increments annually over a three-year service period. The 2009 awards vest in one-third increments annually over a three-year service period and upon the achievement of certain stock price targets. All SARs expire seven years after the date of grant.

The SARs granted during 2010 and 2008 were valued using the Black-Scholes method as the awards only have time-based vesting requirements. The expected term of SARs granted was determined based on the "simplified method" described in Staff Accounting Bulletin (SAB) Topic 14.D.2, which is permitted if historical exercise experience is not sufficient. The expected volatility was determined based on the average weekly volatility for our common shares for the expected term of the awards. Dividends were not included in this calculation because we do not currently pay dividends. The risk-free rate of return was based on available yields on U.S. Treasury bills of the same duration as the expected option term. Forfeitures were estimated at 3% per year based on our historical experience.

The SARs granted during 2009 were valued using a Monte Carlo simulation method as the vesting is dependent on the achievement of certain stock price targets. The expected term of options granted was set equal to the midpoint between the vesting and expiration dates for each grant. The expected volatility was determined based on the average weekly volatility for our common shares for the contractual life of the awards. Dividends were not included in this calculation because we do not currently pay dividends. The risk-free rate of return was based on available yields on U.S. Treasury bills of the same duration as the contractual life of the awards. Forfeitures were estimated at 3% per year based on our historical experience.

The following is a summary of the assumptions related to the grants issued during 2010, 2009 and 2008:

	2010	2009	2008
Expected volatility (weighted-average)	58%	49.7%	36.9%
Expected dividends	—	—	—
Expected term (in years)	4.5	4.5 — 5.6	4.5
Risk-free rate	2.26%	3.25%	2.48% — 3.08%
Value of SARs granted	\$3.90	\$0.61 — \$0.68	\$2.26 — \$2.68

A summary of SAR activity for 2010 is presented below:

(Shares in thousands, dollars in millions, except per share data)	Shares	Weighted-Average	Weighted-Average	Aggregate
		Exercise Price	Remaining	Intrinsic
Stock Appreciation Rights		Per Share	Contractual Term	Value
Outstanding as of January 1, 2010	5,210	\$7.14		
Granted	793	7.99		
Exercised	(1,655)	6.00		
Forfeited or expired	(155)	4.55		
Outstanding as of December 31, 2010	4,193	5.84	4.23 years	\$28.3
Vested and exercisable as of December 31, 2010	2,202	6.73	3.18 years	\$12.9

The weighted-average grant date fair value of SARs granted during 2010, 2009 and 2008 was \$3.90, \$0.65, and \$2.28, respectively. The total intrinsic value of SARs exercised during 2010 was \$8.9 million and during 2009 and 2008 was less than \$0.1 million. As of December 31, 2010, there was \$2.3 million of total unrecognized compensation cost related to SARs, which is expected to be recognized over the next 36 months.

### Restricted Stock Units

Restricted Stock Units (RSUs) represent contingent rights to receive one common share at a future date provided certain vesting criteria are met.

During 2010 and 2008, RSUs, which vest over a three-year service period, were granted to executives and other key employees. Compensation expense is measured on the grant date using the quoted market price of our common shares and is recognized on a straight-line basis over the requisite service period.

During 2009, 810,100 RSUs, which vest over a three-year service period and the achievement of certain stock price targets, were granted to executives and other key employees. These RSUs were valued using a Monte Carlo simulation method as the award is dependent on the achievement of certain stock price targets. The expected term of the awards granted was set at three years,

A summary of option activity in 2010 follows:

(Shares in thousands, dollars in millions, except per share data)	Shares	Weighted-Average	Weighted-Average	Aggregate
		Exercise Price	Remaining	Intrinsic
Options		Per Share	Contractual Term	Value
Outstanding as of January 1, 2010	1,827	\$10.10		
Exercised	(814)	8.76		
Forfeited or expired	(483)	12.94		
Outstanding, vested and exercisable as of December 31, 2010	530	9.59	1.38 years	\$1.6

The total intrinsic value of stock options that were exercised during 2010 and 2008 was \$1.8 million and \$0.4 million, respectively. Cash received during 2010 and 2008 from the exercise of stock options was \$7.4 million and \$1.1 million, respectively. No stock options were exercised during 2009.

consistent with the performance period of the awards. The expected volatility was determined to be 53.3% based on the three-year historical average weekly volatility for our common shares. Dividends were not included in this calculation because we do not currently pay dividends. The risk-free rate of return was estimated as 1.5% based on available yields on U.S. Treasury bills for three-years as of the grant date of the awards. Forfeitures were estimated at 3% per year based on our historical experience.

As of December 31, 2010, 1,712,747 RSUs remain unvested with a weighted-average grant date fair value of \$4.71 and a weighted-average remaining contractual term of 15 months. Unrecognized compensation cost for RSUs at December 31, 2010 was \$3.3 million.

### Stock Options

Our incentive stock plans previously provided for the award or grant of options to purchase our common shares. Options were granted in 2004 and prior years. Options granted generally became exercisable at the rate of 35% after one year, 70% after two years and 100% after three years. The term of each option does not extend beyond 10 years from the date of grant. All options were granted at 100% or greater of market value (as defined) on the date of the grant.

## **Note 16 — SEGMENT INFORMATION**

A segment is a component of an enterprise whose operating results are regularly reviewed by the enterprise's chief operating decision maker to make decisions about resources to be allocated to the segment and assess its performance, and for which discrete financial information is available.

Operating income is the primary measure that is reported to the chief operating decision maker for purposes of allocating resources to the segments and assessing their performance. Operating income at the segment level does not include: corporate general and administrative costs that are not allocated to segments; intersegment sales and profit eliminations; charges related to specific strategic initiatives such as the consolidation of operations; restructuring activities, including employee separation costs resulting from personnel reduction programs, plant closure and phase-out costs; executive separation agreements; share-based compensation costs; asset impairments; environmental remediation costs and other liabilities for facilities no longer owned or closed in prior years; gains and losses on the divestiture of joint ventures and equity investments; and certain other items that are not included in the measure of segment profit or loss that is reported to and reviewed by the chief operating decision maker. These costs are included in *Corporate and eliminations*.

Segment assets are primarily customer receivables, inventories, net property, plant and equipment, and goodwill. Intersegment sales are generally accounted for at prices that approximate those for similar transactions with unaffiliated customers. *Corporate and eliminations* includes cash, sales of accounts receivable, retained assets and liabilities of discontinued operations, and other unallocated corporate assets and liabilities. The accounting policies of each segment are consistent with those described in Note 1, *Summary of Significant Accounting Policies*. Following is a description of each of our five reportable segments.

### **Global Specialty Engineered Materials**

Global Specialty Engineered Materials is a leading provider of custom plastic formulations, compounding services and solutions for processors of thermoplastic materials across a wide variety of markets and end-use applications. Our product portfolio, which we believe to be one of the most diverse in our industry, includes standard and custom formulated high-performance polymer compounds that are manufactured using thermoplastic compounds and elastomers, which are then combined with advanced polymer additive, reinforcement, filler, colorant and/or biomaterial technologies. This segment includes GLS Corporation (GLS), which we acquired in 2008. We believe GLS offers the broadest range of soft-touch thermoplastic elastomers in the industry. Our compounding expertise enables us to expand the performance range and structural properties of traditional engineering-grade thermoplastic resins. Global Specialty Engineered Materials has plants, sales and service facilities located throughout North America, Europe and Asia, and with the acquisition of Uniplen Indústria de Polímeros Ltda. (Uniplen) on January 3, 2011, we further extended our global

capabilities to South America. Our product development and application reach is further enhanced by the capabilities of our Engineered Materials Solutions Centers in the United States, Germany, and China, which produce and evaluate prototype and sample parts to help assess end-use performance and guide product development. Our manufacturing capabilities are targeted at meeting our customers' demand for speed, flexibility and critical quality.

### **Global Color, Additives and Inks**

Global Color, Additives and Inks is a leading provider of specialized color and additive concentrates as well as inks and latexes. Color and additive products include an innovative array of colors, special effects and performance-enhancing and eco-friendly solutions. When combined with non pre-colored base resins, our colorants help customers achieve a wide array of specialized colors and effects that are targeted at the demands of today's highly design-oriented consumer and industrial end markets. Our additive masterbatches encompass a wide variety of performance enhancing characteristics and are commonly categorized by the function that they perform, such as UV stabilization, anti-static, chemical blowing, antioxidant and lubricant, and processing enhancement. Our colorant and additives masterbatches are used in a broad range of plastics, including those used in food and medical packaging, transportation, building products, pipe and wire and cable markets. We also provide custom-formulated liquid systems that meet a variety of customer needs and chemistries, including vinyl, natural rubber and latex, polyurethane and silicone. Products include proprietary inks and latexes for diversified markets including recreational and athletic apparel, construction and filtration, outdoor furniture and healthcare. Global Color, Additives and Inks has plants, sales and service facilities located throughout North America, Europe and Asia, and with the acquisition of Polimaster Indústria E Comércio de Pigmentos Plásticos LTDA (Polimaster) on October 1, 2010, we further extended our global capabilities to South America. In addition, through its disposition on November 30, 2010, we had a 50% interest in BayOne, a joint venture between PolyOne and Bayer Corporation, which sells liquid polyurethane systems into many of the same markets. The equity earnings from BayOne are included in Global Color, Additives and Inks' results.

### **Performance Products and Solutions**

Performance Products and Solutions is an industry leader offering an array of products and services for vinyl, molding and extrusion processors principally in North America. However, sales in Asia and Europe constitute a minor but growing portion of this segment. Our product offerings include: vinyl compounds, vinyl resins, and specialty coating materials based largely on vinyl. We believe that Geon is the leading North American vinyl compounder, and the Geon name carries strong brand recognition. These products are sold to manufacturers of plastic parts and consumer-oriented products. We also offer a wide range of services including materials testing and component analysis, custom compound development, colorant and additive services, design assistance, structural analyses, process simulations and extruder screw design. In addition, we owned

50% of a joint venture producing and marketing vinyl compounds in Latin America through the disposition date of October 13, 2009. Vinyl is utilized across a broad range of applications in building and construction, wire and cable, consumer and recreation markets, transportation, packaging and healthcare. This segment also includes Producer Services, which offers custom compounding services to resin producers and processors that design and develop their own compound and masterbatch recipes. As a strategic and integrated supply chain partner, Producer Services offers resin producers a way to develop custom products for niche markets by using our compounding expertise and multiple manufacturing platforms.

### **PolyOne Distribution**

Our PolyOne Distribution business distributes more than 3,500 grades of engineering and commodity grade resins, including PolyOne-produced compounds, to the North American market. These

products are sold to over 5,500 custom injection molders and extruders who, in turn, convert them into plastic parts that are sold to end-users in a wide range of industries. Representing over 20 major suppliers, we offer our customers a broad product portfolio, just-in-time delivery from multiple stocking locations and local technical support.

### **SunBelt Joint Venture**

Our SunBelt Joint Venture consists entirely of our 50% equity interest in SunBelt. SunBelt, a producer of chlorine and caustic soda, is a partnership with Olin Corporation. In 2010, SunBelt had production capacity of approximately 320 thousand tons of chlorine and 358 thousand tons of caustic soda. Most of the chlorine manufactured by SunBelt is used to produce PVC resin. Caustic soda is sold on the merchant market to customers in the pulp and paper, chemical, building and construction and consumer products industries.

Financial information by reportable segment is as follows:

Year Ended December 31, 2010 (In millions)	Sales to External			Operating Income (Loss)	Depreciation and Amortization	Capital Expenditures	Total Assets
	Customers	Intersegment Sales	Total Sales				
Global Specialty Engineered Materials	\$ 485.2	\$ 32.2	\$ 517.4	\$ 49.7	\$13.6	\$ 7.4	\$ 346.3
Global Color, Additives and Inks	524.7	2.7	527.4	37.7	15.8	16.7	338.1
Performance Products and Solutions	703.5	72.8	776.3	54.0	19.8	9.2	287.5
PolyOne Distribution	908.5	3.4	911.9	42.0	1.2	0.3	159.8
SunBelt Joint Venture	—	—	—	18.9	0.2	—	3.2
Corporate and eliminations	—	(111.1)	(111.1)	(28.0)	4.6	5.9	537.0
<b>Total</b>	<b>\$2,621.9</b>	<b>\$ —</b>	<b>\$2,621.9</b>	<b>\$174.3</b>	<b>\$55.2</b>	<b>\$39.5</b>	<b>\$1,671.9</b>

Year Ended December 31, 2009 (In millions)	Sales to External			Operating Income (Loss)	Depreciation and Amortization	Capital Expenditures	Total Assets
	Customers	Intersegment Sales	Total Sales				
Global Specialty Engineered Materials	\$ 379.1	\$ 23.8	\$ 402.9	\$ 20.6	\$13.2	\$ 5.3	\$ 324.1
Global Color, Additives and Inks	458.0	1.8	459.8	25.2	15.8	11.9	344.7
Performance Products and Solutions	600.5	67.2	667.7	33.1	22.3	11.5	282.6
PolyOne Distribution	623.1	2.0	625.1	24.8	1.3	0.3	152.9
SunBelt Joint Venture	—	—	—	25.5	0.3	—	2.0
Corporate and eliminations	—	(94.8)	(94.8)	(49.1)	11.9	2.7	309.7
<b>Total</b>	<b>\$2,060.7</b>	<b>\$ —</b>	<b>\$2,060.7</b>	<b>\$ 80.1</b>	<b>\$64.8</b>	<b>\$31.7</b>	<b>\$1,416.0</b>

Year Ended December 31, 2008 (In millions)	Sales to External			Operating Income (Loss)	Depreciation and Amortization	Capital Expenditures	Total Assets
	Customers	Intersegment Sales	Total Sales				
Global Specialty Engineered Materials	\$ 484.7	\$ 29.3	\$ 514.0	\$ 17.6	\$12.9	\$ 7.1	\$ 360.1
Global Color, Additives and Inks	551.5	2.8	554.3	28.1	17.5	12.3	355.7
Performance Products and Solutions	910.9	90.5	1,001.4	31.3	24.9	14.7	343.6
PolyOne Distribution	791.6	5.1	796.7	28.1	1.7	0.1	149.8
SunBelt Joint Venture	—	—	—	28.6	0.2	—	7.3
Corporate and eliminations	—	(127.7)	(127.7)	(267.6)	10.8	8.3	103.6
<b>Total</b>	<b>\$2,738.7</b>	<b>\$ —</b>	<b>\$2,738.7</b>	<b>\$(133.9)</b>	<b>\$68.0</b>	<b>\$42.5</b>	<b>\$1,320.1</b>

Earnings of equity affiliates are included in the related segment's operating income and the investment in equity affiliates is included in the related segment's assets. Gains and losses related

to divestiture of equity investments are reflected in *Corporate and eliminations*. Amounts related to equity affiliates are as follows:

(In millions)	2010	2009	2008
Earnings of equity affiliates:			
Global Color, Additives and Inks	\$ 2.6	\$ 2.2	\$ 3.5
Performance Products and Solutions	—	0.5	(0.1)
SunBelt Joint Venture	23.1	29.7	32.4
Subtotal	25.7	32.4	35.8
Non-controlling interest	—	—	0.1
Corporate and eliminations	16.3	2.8	(4.7)
<b>Total</b>	<b>\$42.0</b>	<b>\$35.2</b>	<b>\$31.2</b>

Our sales are primarily to customers in the United States, Europe, Canada and Asia, and the majority of our assets are located in these same geographic areas. Following is a summary of sales and long-lived assets based on the geographic areas where the sales originated and where the assets are located:

(In millions)	2010	2009	2008
Net sales:			
United States	\$1,727.2	\$1,308.3	\$1,718.4
Europe	464.7	393.7	528.8
Canada	222.9	192.1	295.8
Asia	193.5	160.7	182.4
Other	13.6	5.9	13.3
Long-lived assets:			
United States	\$ 237.8	\$ 252.8	\$ 280.7
Europe	88.3	97.4	101.1
Canada	5.5	5.0	12.9
Asia	38.5	34.8	35.2
Other	4.4	2.4	2.1

#### Note 17 — WEIGHTED-AVERAGE SHARES USED IN COMPUTING EARNINGS PER SHARE

(In millions)	2010	2009	2008
Weighted-average shares — basic:			
Weighted-average shares outstanding	93.1	92.4	92.9
Less unearned portion of restricted stock awards included in outstanding shares	—	—	0.2
	93.1	92.4	92.7
Weighted-average shares — diluted:			
Weighted-average shares outstanding — basic	93.1	92.4	92.7
Plus dilutive impact of stock options and stock awards	2.9	1.0	—
	96.0	93.4	92.7

Basic earnings per common share is computed as net income available to common shareholders divided by the weighted average basic shares outstanding. Diluted earnings per common share is computed as net income available to common shareholders divided by the weighted average diluted shares outstanding. Pursuant to FASB ASC Topic 260, *Earnings Per Share*, when a loss is reported the denominator of diluted earnings per share cannot be adjusted for the dilutive impact of stock options and awards because doing so will result in anti-dilution. Therefore, for the year ended December 31, 2008, basic weighted-average shares outstanding are used in calculating diluted earnings per share.

Outstanding stock options with exercise prices greater than the average price of the common shares are anti-dilutive and are not

included in the computation of diluted earnings per share. The number of anti-dilutive options and awards was 1.0 million and 5.3 million at December 31, 2010 and 2009, respectively.

#### Note 18 — FINANCIAL INSTRUMENTS

The estimated fair values of financial instruments were principally based on market prices where such prices were available and, where unavailable, fair values were estimated based on market prices of similar instruments. The fair value of short-term foreign exchange contracts is based on exchange rates at December 31, 2010 and classified as a Level 2 fair value measurement within the fair value hierarchy.

The following table summarizes the contractual amounts of our foreign exchange contracts as of December 31, 2010 and 2009. Foreign currency amounts are translated at exchange rates as of December 31, 2010 and 2009, respectively. The “Buy” amounts

represent the U.S. dollar equivalent of commitments to purchase currencies, and the “Sell” amounts represent the U.S. dollar equivalent of commitments to sell currencies.

Currency (In millions)	December 31, 2010		December 31, 2009	
	Buy	Buy	Buy	Sell
U.S. dollar	\$56.9	\$ —	\$59.9	\$ —
Euro	—	52.7	—	55.5
British pound	—	4.2	—	4.4

The carrying amounts and fair values of our financial instruments as of December 31, 2010 and 2009 are as follows:

(In millions)	2010		2009	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
Cash and cash equivalents	\$378.1	\$378.1	\$222.7	\$222.7
Long-term debt				
Medium-term notes	20.0	20.1	39.6	38.4
Credit facility borrowings	—	—	40.0	40.0
8.875% senior notes	22.9	24.2	279.5	285.1
7.500% debentures	50.0	52.8	50.0	45.8
7.375% senior notes	360.0	374.4	—	—
Foreign exchange contracts	(0.4)	(0.4)	0.5	0.5

#### Note 19 — FAIR VALUE

The fair values of financial assets and liabilities are measured on a recurring or non-recurring basis. Financial assets and liabilities measured on a recurring basis are those that are adjusted to fair value each time a financial statement is prepared. Financial assets and liabilities measured on a non-recurring basis are those that are adjusted to fair value when a significant event occurs. In determining fair value of financial assets and liabilities, we use various valuation techniques. The availability of inputs observable in the market varies from instrument to instrument and depends on a variety of factors including the type of instrument, whether the instrument is actively traded, and other characteristics particular to the transaction. For many financial instruments, pricing inputs are readily observable in the market, the valuation methodology used is widely accepted by market participants, and the valuation does not require significant management discretion. For other financial instruments, pricing inputs are less observable in the market and may require management judgment.

We assess the inputs used to measure fair value using a three-tier hierarchy. The hierarchy indicates the extent to which inputs used in measuring fair value are observable in the market. Level 1 inputs include quoted prices for identical instruments and are the most observable. Level 2 inputs include quoted prices for similar assets and observable inputs such as interest rates, foreign currency exchange rates, commodity rates and yield curves. Level 3 inputs are not observable in the market and include management’s own judgments about the assumptions market participants would use in pricing the asset or liability.

In accordance with the provisions of FASB ASC Topic 350, *Intangibles — Goodwill and Other*, we assess the fair value of

goodwill on a non-recurring basis. The implied fair value of goodwill is determined based on significant unobservable inputs as summarized below. Accordingly, these inputs fall within Level 3 of the fair value hierarchy. In 2008, Goodwill with a preliminary carrying amount of \$334.0 million as of December 31, 2008 was adjusted to its implied fair value of \$159.0 million, resulting in an impairment charge of \$175.0 million, of which \$170.0 million was included in earnings for the three-month period ended December 31, 2008 and \$5.0 million was included in earnings for the three-month period ended March 31, 2009. No impairment charges were incurred in 2010.

We use a combination of two valuation methods, a market approach and an income approach, to estimate the fair value of our reporting units. Absent an indication of fair value from a potential buyer or similar specific transactions, we believe that the use of these two methods provides reasonable estimates of the reporting units’ fair value and that these estimates are consistent with how we believe a market participant would view the fair value of each of the reporting units. Estimates of fair value using these methods reflects a number of factors, including projected future operating results and business plans, economic projections, anticipated future cash flows, comparable marketplace data within a consistent industry grouping and the cost of capital. There are inherent uncertainties, however, related to these factors and to management’s judgment in applying them to this analysis. Nonetheless, management believes that the combination of these two methods provides a reasonable approach to estimate the fair value of our reporting units.

The market approach is used to estimate fair value by applying sales and earnings multiples (derived from comparable publicly-

traded companies with similar investment characteristics of the reporting unit) to the reporting unit's operating performance adjusted for non-recurring items. Management believes that this approach is appropriate as it provides an estimate of fair value reflecting multiples associated with entities with operations and economic characteristics comparable to our reporting units. The key estimates and assumptions that are used to determine fair value under this approach include trailing twelve-month earnings before interest, taxes, depreciation and amortization (EBITDA) and projected EBITDA based on consensus estimates as reported by a third-party resource, which would approximate a market participant's view, to determine the market multiples to calculate the enterprise value.

The income approach is based on projected future debt-free cash flows discounted to present value using factors that consider the timing and risk of the future cash flows. Management believes that this approach is appropriate because it provides a fair value estimate based upon the reporting unit's expected long-term operating and cash flow performance. This approach also mitigates the impact of cyclical downturns that occur in the reporting unit's industry. The income approach is based on a reporting unit's projection of operating results and cash flows discounted to present value using a weighted-average cost of capital. The projection is based upon management's best estimates of projected economic and market conditions over the related period including growth rates, estimates of future expected changes in operating margins and cash expenditures. Other significant estimates and assumptions include terminal value growth rates, terminal value margin rates, future capital expenditures and changes in future working capital requirements based on management projections.

Indefinite-lived intangible assets consist of a tradename, acquired as part of the January 2008 acquisition of GLS, which is tested annually for impairment. The fair value of the trade name is calculated using a "relief from royalty payments" methodology. This approach involves two steps (1) estimating reasonable royalty rates for the tradename and (2) applying this royalty rate to a net sales stream and discounting the resulting cash flows to determine fair value. This fair value is then compared with the carrying value of the tradename. Other finite-lived intangible assets, which consist primarily of non-contractual customer relationships, sales contracts, patents and technology, are amortized over their estimated useful lives. The remaining lives range up to 15 years.

In accordance with the provisions of FASB ASC Topic 360, *Property, Plant, and Equipment*, we assess the fair value of our long-lived assets on a non-recurring basis. In 2010 and 2009, we recorded impairment charges totaling \$0.4 million and \$8.6 million for certain of the facilities that were closed. Our estimates of fair value are based primarily on estimates from broker opinions of value and appraisals of the assets. As these fair value measurements are based on significant unobservable inputs they are classified within Level 3 of the fair value hierarchy.

#### **Note 20 — BUSINESS COMBINATIONS**

On October 1, 2010, we acquired all outstanding shares of Polimaster, a specialty color business in Brazil for a cash purchase price of \$3.3 million paid at close, resulting in goodwill of \$0.4 million. Polimaster had sales of approximately \$4.0 million for the year ended December 31, 2009. Our purchase price allocation is preliminary as of December 31, 2010.

On December 23, 2009, we acquired substantially all of the assets of NEU, a specialty healthcare engineered materials provider, for a cash purchase price of \$11.5 million paid at close with a potential for further consideration payable in 2011, resulting in goodwill of \$4.5 million and \$5.9 million of identifiable intangible assets.

#### **Note 21 — SHAREHOLDERS' EQUITY**

In August 2008, our Board of Directors approved a stock repurchase program authorizing us, depending upon market conditions and other factors, to repurchase up to 10.0 million shares of our common shares, in the open market or in privately negotiated transactions. No shares were repurchased under this program in 2010 or 2009. There are 8.75 million shares available for repurchase under the program at December 31, 2010.

#### **Note 22 — SUBSEQUENT EVENTS**

On January 3, 2011, we acquired all outstanding shares of Uniplen, a leading Brazilian producer of specialty engineered materials and distributor of thermoplastics. The Uniplen transaction was completed for an upfront cash purchase price of \$21 million with a potential for further consideration payable over the next three years based on achieving certain performance metrics. Uniplen recorded revenues of approximately \$34 million in 2010.



**Note 23 — SELECTED QUARTERLY FINANCIAL DATA (UNAUDITED)**

(In millions, except per share data)	2010 Quarters				2009 Quarters			
	Fourth <sup>(5)</sup>	Third <sup>(4)</sup>	Second <sup>(3)</sup>	First <sup>(2)</sup>	Fourth	Third	Second	First
Sales	\$617.8	\$680.8	\$692.9	\$630.4	\$552.5	\$548.3	\$496.5	\$463.4
Gross Margin	87.5	111.2	126.7	103.5	84.5	106.0	80.9	50.8
Operating income (loss)	37.1	44.6	61.5	31.1	22.4	54.9	13.9	(11.1)
Net income (loss)	97.5	1.0	45.7	18.4	20.8	48.3	(1.9)	(17.7)
Earnings (loss) per common share:								
Basic earnings (loss) <sup>(1)</sup>	\$ 1.04	\$ 0.01	\$ 0.49	\$ 0.20	\$ 0.22	\$ 0.52	\$ (0.02)	\$ (0.19)
Diluted earnings (loss) <sup>(1)</sup>	\$ 1.00	\$ 0.01	\$ 0.47	\$ 0.19	\$ 0.22	\$ 0.51	\$ (0.02)	\$ (0.19)

<sup>(1)</sup> Per share amounts for the quarter and the full year have been computed separately. The sum of the quarterly amounts may not equal the annual amounts presented because of differences in the average shares outstanding during each period.

<sup>(2)</sup> Included in net income for the first quarter 2010 are gains of \$3.2 million from legal settlements.

<sup>(3)</sup> Included in net income for the second quarter 2010 are gains of \$18.4 million from insurance and legal settlements.

<sup>(4)</sup> Included in net income for the third quarter 2010 are debt extinguishment costs of \$29.4 million.

<sup>(5)</sup> Included in net income for the fourth quarter 2010 are: 1) gains of \$2.3 million from insurance settlements, 2) a gain of \$16.3 million related to the sale of our 50% interest in BayOne, and 3) a tax benefit of \$90.3 million, comprised of \$15.3 million fourth quarter utilization of net operating loss carryforwards and a \$75 million reversal of our valuation allowance.

**ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE**

None.

**ITEM 9A. CONTROLS AND PROCEDURES**

**Disclosure controls and procedures**

PolyOne's management, with the participation of the Chief Executive Officer and the Chief Financial Officer, has evaluated the effectiveness of the design and operation of PolyOne's disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934) as of December 31, 2010. Based on this evaluation, the Chief Executive Officer and the Chief Financial Officer have concluded that such disclosure controls and procedures are effective as of December 31, 2010.

**Management's annual report on internal control over financial reporting**

The following report is provided by management in respect of PolyOne's internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Securities Exchange Act of 1934):

1. PolyOne's management is responsible for establishing and maintaining adequate internal control over financial reporting.
2. PolyOne's management has used the Committee of Sponsoring Organizations of the Treadway Commission (COSO) framework to evaluate the effectiveness of internal control over financial reporting. Management believes that the COSO framework is a suitable framework for its evaluation of financial reporting because it is free from bias, permits reasonably consistent qualitative and quantitative measurements of PolyOne's internal control over financial reporting, is sufficiently complete so that those relevant factors that would alter a conclusion about the effectiveness of PolyOne's internal control over financial reporting are not omitted and is relevant to an evaluation of internal control over financial reporting.
3. Management has assessed the effectiveness of PolyOne's internal control over financial reporting as of December 31, 2010 and has concluded that such internal control over financial reporting is effective. There were no material weaknesses in internal control over financial reporting identified by management.

4. Ernst & Young LLP, who audited the consolidated financial statements of PolyOne for the year ended December 31, 2010, also issued an attestation report on PolyOne's internal control over financial reporting under Auditing Standard No. 5 of the Public Company Accounting Oversight Board. This attestation report is set forth on page 35 of this Annual Report on Form 10-K and is incorporated by reference into this Item 9A.

**Changes in internal control over financial reporting**

There were no changes in the Company's internal control over financial reporting that occurred during the quarter ended December 31, 2010 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

**ITEM 9B. OTHER INFORMATION**

None.

**PART III**

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**ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE**

The information regarding PolyOne's directors, including the identification of the audit committee and the audit committee financial expert, is incorporated by reference to the information contained in PolyOne's Proxy Statement with respect to the 2011 Annual Meeting of Shareholders (2011 Proxy Statement). Information concerning executive officers is contained in Part I of this Annual Report on Form 10-K under the heading "Executive Officers of the Registrant."

The information regarding Section 16(a) beneficial ownership reporting compliance is incorporated by reference to the material under the heading "Section 16(a) Beneficial Ownership Reporting Compliance" in the 2011 Proxy Statement.

The information regarding any changes in procedures by which shareholders may recommend nominees to PolyOne's Board of Directors is incorporated by reference to the information contained in the 2011 Proxy Statement.

PolyOne has adopted a code of ethics that applies to its principal executive officer, principal financial officer and principal accounting officer. PolyOne's code of ethics is posted under the Investor Relations tab of its website at [www.polyone.com](http://www.polyone.com). PolyOne will post any amendments to, or waivers of, its code of ethics that apply to its principal executive officer, principal financial officer and principal accounting officer on its website.

**ITEM 11. EXECUTIVE COMPENSATION**

The information regarding executive officer and director compensation is incorporated by reference to the information contained in the 2011 Proxy Statement.

The information regarding compensation committee interlocks and insider participation and the compensation committee report is incorporated by reference to the information contained in the 2011 Proxy Statement.

**ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED SHAREHOLDER MATTERS**

Plan category	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a)	Weighted-average exercise price of outstanding options, warrants and rights (b)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a)) (c)
Equity compensation plans approved by security holders	4,722,789	\$6.31	3,017,509 <sup>(1)</sup>
Equity compensation plans not approved by security holders	—	—	—
<b>Total</b>	<b>4,722,789</b>	<b>\$6.31</b>	<b>3,017,509</b>

<sup>(1)</sup> In addition to options, warrants and rights, the PolyOne Corporation 2010 Equity and Performance Incentive Plan authorizes the issuance of restricted stock, RSUs and performance shares. The 2010 Equity and Performance Incentive Plan limits the total number of shares that may be issued as one or more of these types of awards to 1,200,000. This number in the table also includes shares available under our existing Deferred Compensation Plan for Non-Employee Directors. This plan provides our non-employee Directors with a vehicle to defer their compensation in the form of shares. This plan provides that the aggregate number of our common shares that may be granted under the Deferred Compensation Plan for Non-Employee Directors in any fiscal year during the term of the plan will be equal to one-tenth of one percent (0.1%) of the number of our common shares outstanding as of the first day of that fiscal year. At the end of 2010, 50,431 common shares remained available under this plan and our current Directors had a total of 407,509 shares deferred as of December 31, 2010. The deferred shares are held in a trust and are currently part of our outstanding common shares.

**ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE**

The information regarding certain relationships and related transactions and director independence is incorporated by reference to the information contained in the 2011 Proxy Statement.

**ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES**

Information regarding fees paid to and services provided by PolyOne's independent registered public accounting firm during the fiscal years ended December 31, 2010 and 2009 and the pre-approval policies and procedures of the audit committee is incorporated by reference to the information contained in the 2011 Proxy Statement.

**PART IV**

**ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES**

(a)(1) Financial Statements:

The following consolidated financial statements of PolyOne Corporation are included in Item 8:

Consolidated Statements of Operations for the years ended December 31, 2010, 2009 and 2008

Consolidated Balance Sheets at December 31, 2010 and 2009

Consolidated Statements of Cash Flows for the years ended December 31, 2010, 2009 and 2008

Consolidated Statements of Shareholders' Equity for the years ended December 31, 2010, 2009 and 2008

Notes to Consolidated Financial Statements

(a)(2) Financial Statement Schedules:

The following financial statements of subsidiaries not consolidated and 50% or less owned entities, as required by Item 15(c) are incorporated by reference to Exhibit 99.1 to this Annual Report on Form 10-K:

Consolidated financial statements of SunBelt Chlor-Alkali Partnership as of December 31, 2010 and for each of the years in the three year period then ended.

All other schedules for which provision is made in the applicable accounting regulation of the SEC are not required under the related instructions or are inapplicable and, therefore, omitted.

(a)(3) Exhibits.

<b>Exhibit No.</b>	<b>Exhibit Description</b>
3.1	Articles of Incorporation (incorporated by reference to Exhibit 3(i) to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2000, SEC File No. 1-16091)
3.2	Amendment to the Second Article of the Articles of Incorporation, as filed with the Ohio Secretary of State, November 25, 2003 (incorporated by reference to Exhibit 3.1a to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2003, SEC File No. 1-16091)
3.3	Regulations (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on July 17, 2009, SEC File No. 1-16091)
4.1	Indenture, dated as of December 1, 1995, between the Company and NBD Bank, as trustee (incorporated by reference to Exhibit 4.3 to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1996, SEC File No. 1-11804)
4.2	Form of Indenture between the Company and NBD Bank, as trustee, governing the Company's Medium Term Notes (incorporated by reference to Exhibit 4.1 to M.A. Hanna Company's Registration Statement on Form S-3, Registration Statement No. 333-05763, filed on June 12, 1996)
4.3	Indenture, dated as of April 23, 2002, between the Company and The Bank of New York, as trustee, governing the Company's 8.875% Senior Notes due May 15, 2012 (incorporated by reference to Exhibit 4.1 to the Company's Registration Statement on Form S-4, Registration Statement No. 333-87472, filed on May 2, 2002)
4.4	Supplemental Indenture, dated as of April 10, 2008, between PolyOne Corporation and The Bank of New York Trust Company, N.A., as successor trustee (incorporated by reference to Exhibit 4.2 to the Company's Current Report on Form 8-K filed April 11, 2008, SEC File No. 1-16091)
4.5	Indenture, dated as of September 24, 2010, between the Company and Wells Fargo Bank, N.A., as Trustee (incorporated by reference to Exhibit 4.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2010, SEC File No. 1-16091)
4.6	First Supplemental Indenture, dated as of September 24, 2010, between the Company and Wells Fargo Bank, N.A., as Trustee (incorporated by reference to Exhibit 4.2 to the Company's Quarterly Report Form 10-Q for the quarter ended September 30, 2010, SEC File No. 1-16091)
4.7	Form of Medium-Term Note, issued under the Indenture between the Company and NBD Bank, as trustee (which Indenture is incorporated by reference to Exhibit 4.1 to M.A. Hanna Company's Registration Statement on Form S-3, Registration Statement No. 333-05763, filed on June 12, 1996) (incorporated by reference to Exhibit 4.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2010, SEC File No. 1-16091)
10.1	Second Amended and Restated Receivables Purchase Agreement, dated as of June 26, 2007, among PolyOne Funding Corporation, as seller; the Company, as servicer; the banks and other financial institutions party thereto, as purchasers; Citicorp, U.S.A., Inc. as agent; and National City Business Credit, Inc., as syndication agent (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2010, SEC File No. 1-16091)
10.2	Second Amended and Restated Receivables Sale Agreement, dated as of June 26, 2007, among the Company, as seller and servicer, and PolyOne Funding Corporation, as buyer (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2010, SEC File No. 1-16091)
10.3	Canadian Receivables Purchase Agreement, dated as of July 13, 2007, among PolyOne Funding Canada Corporation, as seller; the Company, as servicer; the banks and other financial institutions party thereto, as purchasers; Citicorp USA, Inc., as agent; and National City Business Credit, Inc., as syndication agent (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2010, SEC File No. 1-16091)
10.4	Canadian Receivables Sale Agreement, dated as of July 13, 2007, among PolyOne Canada Inc., as seller; PolyOne Funding Canada Corporation, as buyer; and the Company, as servicer (incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2010, SEC File No. 1-16091)
10.5+	PolyOne Corporation 2010 Equity and Performance Incentive Plan (incorporated by reference to Exhibit 4.4 to the Company's Registration Statement on Form S-8, Registration Statement No. 333-166775, filed on May 12, 2010)
10.6+	PolyOne Senior Executive Annual Incentive Plan (effective January 1, 2011)(incorporated by reference to Appendix B to the Company's definitive proxy statement on Schedule 14A, SEC File No. 1-16091, filed on March 29, 2010)
10.7+	Form of Grant of Restricted Stock Units under the 2010 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, SEC File No. 1-16091)
10.8+	Form of Grant of Stock-Settled Stock Appreciation Rights under the 2010 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, SEC File No. 1-16091)
10.9+	Form of Grant of Performance Units under the 2010 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, SEC File No. 1-16091)
10.10+	Long-Term Incentive Plan, as amended and restated as of March 1, 2000 (incorporated by reference to Exhibit A to M.A. Hanna Company's Definitive Proxy Statement filed on March 24, 2000, SEC File No. 1-05222)
10.11+	Form of Award Agreement for Stock Appreciation Rights (incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on January 11, 2005, SEC File No. 1-16091)

Exhibit No.	Exhibit Description
10.12+	1995 Incentive Stock Plan, as amended and restated through August 31, 2000 (incorporated by reference to Exhibit 10.3 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2000, SEC File No. 1-16091)
10.13+	1999 Incentive Stock Plan, as amended and restated through August 31, 2000 (incorporated by reference to Exhibit 10.5 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2000, SEC File No. 1-16091)
10.14+	2000 Stock Incentive Plan (incorporated by reference to Annex D to Amendment No. 3 to The Geon Company's Registration Statement on Form S-4, Registration Statement No. 333-37344, filed on July 28, 2000)
10.15+	Amended and Restated Benefit Restoration Plan (Section 401(a)(17)) (incorporated by reference to Exhibit 10.8 of the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2007, SEC File No. 1-16091)
10.16+	Strategic Improvement Incentive Plan (incorporated by reference to Exhibit 10.9b to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2001, SEC File No. 1-16091)
10.17+	2005 Equity and Performance Incentive Plan (amended and restated by the Board as of July 21, 2005) (incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2005, SEC File No. 1-16091)
10.18+	Amended and Restated Deferred Compensation Plan for Non-Employee Directors (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2010, SEC File No. 1-16091)
10.19+	Form of Management Continuity Agreement (incorporated by reference to Exhibit 10.13 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2007, SEC File No. 1-16091)
10.20+	Schedule of Executives with Management Continuity Agreements
10.21+	Amended and Restated PolyOne Supplemental Retirement Benefit Plan (incorporated by reference to Exhibit 10.15 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2007, SEC File No. 1-16091)
10.22+	Amended and Restated Letter Agreement, dated as of July 16, 2008, between the Company and Stephen D. Newlin, originally effective as of February 13, 2006 (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2008, SEC File No. 1-16091)
10.23+	Form of Director and Officer Indemnification Agreement (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on July 5, 2006, SEC File No. 1-16091)
10.24	Guarantee and Agreement, dated as of June 6, 2006, between the Company, as guarantor, and the beneficiary banks party thereto (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on June 8, 2006, SEC File No. 1-16091)
10.25	Second Amended and Restated Security Agreement, dated as of June 6, 2006, between the Company, as grantor, and U.S. Bank Trust National Association, as collateral trustee (incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on June 8, 2006, SEC File No. 1-16091)
10.26	Amended and Restated Collateral Trust Agreement, dated as of June 6, 2006, between the Company, as grantor, and U.S. Bank Trust National Association, as collateral trustee (incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on June 8, 2006, SEC File No. 1-16091)
10.27	Amended and Restated Intercreditor Agreement, dated as of June 6, 2006, between the Company, as grantor; Citicorp USA, Inc., as receivables and bank agent; U.S. Bank Trust National Association, as collateral trustee; PolyOne Funding Corporation (incorporated by reference to Exhibit 10.4 to the Company's Current Report on Form 8-K filed on June 8, 2006, SEC File No. 1-16091)
10.28	Amended and Restated Instrument Guaranty, dated as of December 19, 1996 (incorporated by reference to Exhibit 10.12 to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1996, SEC File No. 1-11804)
10.29	Assumption of Liabilities and Indemnification Agreement, dated March 1, 1993, amended and restated by Amended and Restated Assumption of Liabilities and Indemnification Agreement, dated April 27, 1993 (incorporated by reference to Exhibit 10.14 to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1996, SEC File No. 1-11804)
10.30	Partnership Agreement, by and between 1997 Chloralkali Venture, Inc. and Olin Sunbelt, Inc. (incorporated by reference to Exhibit 10(A) to The Geon Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 1996, SEC File No. 1-11804)
10.31	Amendment to Partnership Agreement between Olin Sunbelt, Inc. and 1997 Chloralkali Venture, Inc., addition of §5.03 (incorporated by reference to Exhibit 10.16b to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1997, SEC File No. 1-11804)
10.32	Amendment to Partnership Agreement between Olin Sunbelt, Inc. and 1997 Chloralkali Venture, Inc., addition of §1.12 (incorporated by reference to Exhibit 10.16c to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1997, SEC File No. 1-11804)
10.33	Chlorine Sales Agreement, between Sunbelt Chlor Alkali Partnership and OxyVinyls, LP (incorporated by reference to Exhibit 10(B) to The Geon Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 1996, SEC File No. 1-11804)
10.34	Unconditional and Continuing Guaranty, between the Company and Olin Corporation and Sunbelt Chlor Alkali Partnership (incorporated by reference to Exhibit 10(C) to The Geon Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 1996, SEC File No. 1-11804)
10.35	Guarantee by the Company in Favor of Sunbelt Chlor Alkali Partnership of the Guaranteed Secure Senior Notes due 2017, dated December 22, 1997 (incorporated by reference to Exhibit 10.20 to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1997, SEC File No. 1-11804)

Exhibit No.	Exhibit Description
10.36	Asset Contribution Agreement — PVC Partnership (Geon) (incorporated by reference to Exhibit 10.3 to The Geon Company's Current Report on Form 8-K filed on May 13, 1999, SEC File No. 1-11804)
10.37+	Form of Award Agreement for Stock-Settled Stock Appreciation Rights (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2007, SEC File No. 1-16091)
10.38+	Form of Award Agreement for Performance Units (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2007, SEC File No. 1-16091)
10.39	Sale and Agreement, by and among PolyOne Corporation, Occidental Chemical Corporation, and their representative affiliates party thereto, dated as of July 6, 2007 (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2007, SEC File No. 1-16091)
10.40+	PolyOne Corporation 2008 Equity and Performance Incentive Plan (incorporated herein by reference to Appendix A to the Registrant's proxy statement on Schedule 14A (SEC File No. 1-16091), filed on March 25, 2008).
10.41+	Form of Award Agreement for Restricted Stock Units (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2008, SEC File No. 1-16091)
10.42+	Form of Award Agreement for Stock-Settled Stock Appreciation Rights (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2008, SEC File No. 1-16091)
10.43+	Form of Award Agreement for Performance Units (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2008, SEC File No. 1-16091)
10.44+	First Amendment to The Geon Company Section 401(a)(17) Benefit Restoration Plan (December 31, 2007 Restatement) (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.45+	Amendment No. 1 to the PolyOne Supplemental Retirement Benefit Plan (As Amended and Restated Effective December 31, 2007) (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.46+	Form of Grant of Performance Shares under the 2009 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.47+	Form of Grant of Stock-Settled Stock Appreciation Rights under the 2009 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.48+	Form of Grant of Performance Units under the 2009 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.5 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.49+	Executive Severance Plan, as amended and restated effective February 17, 2009 (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2009, SEC File No. 1-16091)
10.50+	Undetermined Time Employment Contract between PolyOne Luxembourg s.a.r.l. and Bernard Baert (incorporated herein by reference to Exhibit 10.1 to the Company's Form 8-K, filed with the Commission on September 2, 2009, SEC File No. 1-106091)
10.51+	Amendment No. 2 to the PolyOne Supplemental Retirement Benefit Plan (As Amended and Restated Effective December 31, 2007) (incorporated by reference to Exhibit 10.51 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2009, SEC File No. 1-16091)
18.1	Letter regarding Change in Accounting Principles (incorporated by reference to Exhibit No. 18.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, SEC File No. 1-16091)
21.1	Subsidiaries of the Company
23.1	Consent of Independent Registered Public Accounting Firm — Ernst & Young LLP
23.2	Consent of Independent Registered Public Accounting Firm — Ernst & Young LLP
31.1	Certification of Stephen D. Newlin, Chairman, President and Chief Executive Officer, pursuant to SEC Rules 13a-14(a) and 15d-14(a), adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
31.2	Certification of Robert M. Patterson, Executive Vice President and Chief Financial Officer, pursuant to SEC Rules 13a-14(a) and 15d-14(a), adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
32.1	Certification pursuant to 18 U.S.C. § 1350, adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, as signed by Stephen D. Newlin, Chairman, President and Chief Executive Officer
32.2	Certification pursuant to 18 U.S.C. § 1350, adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, as signed by Robert M. Patterson, Executive Vice President and Chief Financial Officer
99.1	Audited Financial Statements of SunBelt Chlor Alkali Partnership

+ Indicates management contract or compensatory plan, contract or arrangement in which one or more directors or executive officers of the Registrant may be participants

## SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

### POLYONE CORPORATION

February 18, 2011

By: /s/ ROBERT M. PATTERSON

Robert M. Patterson  
Executive Vice President and Chief Financial Officer  
(Principal Financial and Accounting Officer)

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities indicated and on the dates indicated.

#### Signature and Title

<u>/s/ STEPHEN D. NEWLIN</u> Stephen D. Newlin	Chairman, President, Chief Executive Officer and Director (Principal Executive Officer)	Date: February 18, 2011
<u>/s/ ROBERT M. PATTERSON</u> Robert M. Patterson	Executive Vice President and Chief Financial Officer (Principal Financial and Accounting Officer)	Date: February 18, 2011
<u>/s/ J. DOUGLAS CAMPBELL</u> J. Douglas Campbell	Director	Date: February 18, 2011
<u>/s/ CAROL A. CARTWRIGHT</u> Carol A. Cartwright	Director	Date: February 18, 2011
<u>/s/ RICHARD H. FEARON</u> Richard H. Fearon	Director	Date: February 18, 2011
<u>/s/ GORDON D. HARNETT</u> Gordon D. Harnett	Director	Date: February 18, 2011
<u>/s/ RICHARD A. LORRAINE</u> Richard A. Lorraine	Director	Date: February 18, 2011
<u>/s/ EDWARD J. MOONEY</u> Edward J. Mooney	Director	Date: February 18, 2011
<u>/s/ WILLIAM H. POWELL</u> William H. Powell	Director	Date: February 18, 2011
<u>/s/ FARAH M. WALTERS</u> Farah M. Walters	Director	Date: February 18, 2011

## EXHIBIT INDEX

Exhibit No.	Exhibit Description
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4.1	Indenture, dated as of December 1, 1995, between the Company and NBD Bank, as trustee (incorporated by reference to Exhibit 4.3 to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1996, SEC File No. 1-11804)
4.2	Form of Indenture between the Company and NBD Bank, as trustee, governing the Company's Medium Term Notes (incorporated by reference to Exhibit 4.1 to M.A. Hanna Company's Registration Statement on Form S-3, Registration Statement No. 333-05763, filed on June 12, 1996)
4.3	Indenture, dated as of April 23, 2002, between the Company and The Bank of New York, as trustee, governing the Company's 8.875% Senior Notes due May 15, 2012 (incorporated by reference to Exhibit 4.1 to the Company's Registration Statement on Form S-4, Registration Statement No. 333-87472, filed on May 2, 2002)
4.4	Supplemental Indenture, dated as of April 10, 2008, between PolyOne Corporation and The Bank of New York Trust Company, N.A., as successor trustee (incorporated by reference to Exhibit 4.2 to the Company's Current Report on Form 8-K filed April 11, 2008, SEC File No. 1-16091)
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4.7	Form of Medium-Term Note, issued under the Indenture between the Company and NBD Bank, as trustee (which Indenture is incorporated by reference to Exhibit 4.1 to M.A. Hanna Company's Registration Statement on Form S-3, Registration Statement No. 333-05763, filed on June 12, 1996) (incorporated by reference to Exhibit 4.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2010, SEC File No. 1-16091)
10.1	Second Amended and Restated Receivables Purchase Agreement, dated as of June 26, 2007, among PolyOne Funding Corporation, as seller; the Company, as servicer; the banks and other financial institutions party thereto, as purchasers; Citicorp, U.S.A., Inc. as agent; and National City Business Credit, Inc., as syndication agent (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2010, SEC File No. 1-16091)
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10.3	Canadian Receivables Purchase Agreement, dated as of July 13, 2007, among PolyOne Funding Canada Corporation, as seller; the Company, as servicer; the banks and other financial institutions party thereto, as purchasers; Citicorp USA, Inc., as agent; and National City Business Credit, Inc., as syndication agent (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2010, SEC File No. 1-16091)
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10.5+	PolyOne Corporation 2010 Equity and Performance Incentive Plan (incorporated by reference to Exhibit 4.4 to the Company's Registration Statement on Form S-8, Registration Statement No. 333-166775, filed on May 12, 2010)
10.6+	PolyOne Senior Executive Annual Incentive Plan (effective January 1, 2011)(incorporated by reference to Appendix B to the Company's definitive proxy statement on Schedule 14A, SEC File No. 1-16091, filed on March 29, 2010)
10.7+	Form of Grant of Restricted Stock Units under the 2010 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, SEC File No. 1-16091)
10.8+	Form of Grant of Stock-Settled Stock Appreciation Rights under the 2010 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, SEC File No. 1-16091)
10.9+	Form of Grant of Performance Units under the 2010 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, SEC File No. 1-16091)
10.10+	Long-Term Incentive Plan, as amended and restated as of March 1, 2000 (incorporated by reference to Exhibit A to M.A. Hanna Company's Definitive Proxy Statement filed on March 24, 2000, SEC File No. 1-05222)
10.11+	Form of Award Agreement for Stock Appreciation Rights (incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on January 11, 2005, SEC File No. 1-16091)
10.12+	1995 Incentive Stock Plan, as amended and restated through August 31, 2000 (incorporated by reference to Exhibit 10.3 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2000, SEC File No. 1-16091)



**Exhibit No. Exhibit Description**

- 10.13+ 1999 Incentive Stock Plan, as amended and restated through August 31, 2000 (incorporated by reference to Exhibit 10.5 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2000, SEC File No. 1-16091)
- 10.14+ 2000 Stock Incentive Plan (incorporated by reference to Annex D to Amendment No. 3 to The Geon Company's Registration Statement on Form S-4, Registration Statement No. 333-37344, filed on July 28, 2000)
- 10.15+ Amended and Restated Benefit Restoration Plan (Section 401(a)(17)) (incorporated by reference to Exhibit 10.8 of the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2007, SEC File No. 1-16091)
- 10.16+ Strategic Improvement Incentive Plan (incorporated by reference to Exhibit 10.9b to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2001, SEC File No. 1-16091)
- 10.17+ 2005 Equity and Performance Incentive Plan (amended and restated by the Board as of July 21, 2005) (incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2005, SEC File No. 1-16091)
- 10.18+ Amended and Restated Deferred Compensation Plan for Non-Employee Directors (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2010, SEC File No. 1-16091)
- 10.19+ Form of Management Continuity Agreement (incorporated by reference to Exhibit 10.13 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2007, SEC File No. 1-16091)
- 10.20+ Schedule of Executives with Management Continuity Agreements
- 10.21+ Amended and Restated PolyOne Supplemental Retirement Benefit Plan (incorporated by reference to Exhibit 10.15 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2007, SEC File No. 1-16091)
- 10.22+ Amended and Restated Letter Agreement, dated as of July 16, 2008, between the Company and Stephen D. Newlin, originally effective as of February 13, 2006 (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2008, SEC File No. 1-16091)
- 10.23+ Form of Director and Officer Indemnification Agreement (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on July 5, 2006, SEC File No. 1-16091)
- 10.24 Guarantee and Agreement, dated as of June 6, 2006, between the Company, as guarantor, and the beneficiary banks party thereto (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on June 8, 2006, SEC File No. 1-16091)
- 10.25 Second Amended and Restated Security Agreement, dated as of June 6, 2006, between the Company, as grantor, and U.S. Bank Trust National Association, as collateral trustee (incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on June 8, 2006, SEC File No. 1-16091)
- 10.26 Amended and Restated Collateral Trust Agreement, dated as of June 6, 2006, between the Company, as grantor, and U.S. Bank Trust National Association, as collateral trustee (incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on June 8, 2006, SEC File No. 1-16091)
- 10.27 Amended and Restated Intercreditor Agreement, dated as of June 6, 2006, between the Company, as grantor; Citicorp USA, Inc., as receivables and bank agent; U.S. Bank Trust National Association, as collateral trustee; PolyOne Funding Corporation (incorporated by reference to Exhibit 10.4 to the Company's Current Report on Form 8-K filed on June 8, 2006, SEC File No. 1-16091)
- 10.28 Amended and Restated Instrument Guaranty, dated as of December 19, 1996 (incorporated by reference to Exhibit 10.12 to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1996, SEC File No. 1-11804)
- 10.29 Assumption of Liabilities and Indemnification Agreement, dated March 1, 1993, amended and restated by Amended and Restated Assumption of Liabilities and Indemnification Agreement, dated April 27, 1993 (incorporated by reference to Exhibit 10.14 to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1996, SEC File No. 1-11804)
- 10.30 Partnership Agreement, by and between 1997 Chloralkali Venture, Inc. and Olin Sunbelt, Inc. (incorporated by reference to Exhibit 10(A) to The Geon Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 1996, SEC File No. 1-11804)
- 10.31 Amendment to Partnership Agreement between Olin Sunbelt, Inc. and 1997 Chloralkali Venture, Inc., addition of §5.03 (incorporated by reference to Exhibit 10.16b to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1997, SEC File No. 1-11804)
- 10.32 Amendment to Partnership Agreement between Olin Sunbelt, Inc. and 1997 Chloralkali Venture, Inc., addition of §1.12 (incorporated by reference to Exhibit 10.16c to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1997, SEC File No. 1-11804)
- 10.33 Chlorine Sales Agreement, between Sunbelt Chlor Alkali Partnership and OxyVinyls, LP (incorporated by reference to Exhibit 10(B) to The Geon Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 1996, SEC File No. 1-11804)
- 10.34 Unconditional and Continuing Guaranty, between the Company and Olin Corporation and Sunbelt Chlor Alkali Partnership (incorporated by reference to Exhibit 10(C) to The Geon Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 1996, SEC File No. 1-11804)
- 10.35 Guarantee by the Company in Favor of Sunbelt Chlor Alkali Partnership of the Guaranteed Secure Senior Notes due 2017, dated December 22, 1997 (incorporated by reference to Exhibit 10.20 to The Geon Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1997, SEC File No. 1-11804)
- 10.36 Asset Contribution Agreement — PVC Partnership (Geon) (incorporated by reference to Exhibit 10.3 to The Geon Company's Current Report on Form 8-K filed on May 13, 1999, SEC File No. 1-11804)

<b>Exhibit No.</b>	<b>Exhibit Description</b>
10.37+	Form of Award Agreement for Stock-Settled Stock Appreciation Rights (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2007, SEC File No. 1-16091)
10.38+	Form of Award Agreement for Performance Units (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2007, SEC File No. 1-16091)
10.39	Sale and Agreement, by and among PolyOne Corporation, Occidental Chemical Corporation, and their representative affiliates party thereto, dated as of July 6, 2007 (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2007, SEC File No. 1-16091)
10.40+	PolyOne Corporation 2008 Equity and Performance Incentive Plan (incorporated herein by reference to Appendix A to the Registrant's proxy statement on Schedule 14A (SEC File No. 1-16091), filed on March 25, 2008).
10.41+	Form of Award Agreement for Restricted Stock Units (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2008, SEC File No. 1-16091)
10.42+	Form of Award Agreement for Stock-Settled Stock Appreciation Rights (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2008, SEC File No. 1-16091)
10.43+	Form of Award Agreement for Performance Units (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2008, SEC File No. 1-16091)
10.44+	First Amendment to The Geon Company Section 401(a)(17) Benefit Restoration Plan (December 31, 2007 Restatement) (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.45+	Amendment No. 1 to the PolyOne Supplemental Retirement Benefit Plan (As Amended and Restated Effective December 31, 2007) (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.46+	Form of Grant of Performance Shares under the 2009 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.47+	Form of Grant of Stock-Settled Stock Appreciation Rights under the 2009 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.48+	Form of Grant of Performance Units under the 2009 Long-Term Incentive Plan (incorporated by reference to Exhibit 10.5 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2009, SEC File No. 1-16091)
10.49+	Executive Severance Plan, as amended and restated effective February 17, 2009 (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2009, SEC File No. 1-16091)
10.50+	Undetermined Time Employment Contract between PolyOne Luxembourg s.a.r.l. and Bernard Baert (incorporated herein by reference to Exhibit 10.1 to the Company's Form 8-K, filed with the Commission on September 2, 2009, SEC File No. 1-106091)
10.51+	Amendment No. 2 to the PolyOne Supplemental Retirement Benefit Plan (As Amended and Restated Effective December 31, 2007) (incorporated by reference to Exhibit 10.51 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2009, SEC File No. 1-16091)
18.1	Letter regarding Change in Accounting Principles (incorporated by reference to Exhibit No. 18.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2010, SEC File No. 1-16091)
21.1	Subsidiaries of the Company
23.1	Consent of Independent Registered Public Accounting Firm — Ernst & Young LLP
23.2	Consent of Independent Registered Public Accounting Firm — Ernst & Young LLP
31.1	Certification of Stephen D. Newlin, Chairman, President and Chief Executive Officer, pursuant to SEC Rules 13a-14(a) and 15d-14(a), adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
31.2	Certification of Robert M. Patterson, Executive Vice President and Chief Financial Officer, pursuant to SEC Rules 13a-14(a) and 15d-14(a), adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
32.1	Certification pursuant to 18 U.S.C. § 1350, adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, as signed by Stephen D. Newlin, Chairman, President and Chief Executive Officer
32.2	Certification pursuant to 18 U.S.C. § 1350, adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, as signed by Robert M. Patterson, Executive Vice President and Chief Financial Officer
99.1	Audited Financial Statements of SunBelt Chlor Alkali Partnership

+ Indicates management contract or compensatory plan, contract or arrangement in which one or more directors or executive officers of the Registrant may be participants

**CERTIFICATION**

I, Stephen D. Newlin, certify that:

1. I have reviewed this Annual Report on Form 10-K of PolyOne Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ Stephen D. Newlin

Stephen D. Newlin  
Chairman, President and Chief Executive Officer

February 18, 2011

**CERTIFICATION**

I, Robert M. Patterson, certify that:

1. I have reviewed this Annual Report on Form 10-K of PolyOne Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ Robert M. Patterson

Robert M. Patterson  
Executive Vice President and Chief Financial Officer

February 18, 2011

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report on Form 10-K of PolyOne Corporation (the "Company") for the year ended December 31, 2010, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Stephen D. Newlin, Chairman, President and Chief Executive Officer of the Company, do hereby certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company as of the dates and for the periods expressed in the Report.

/s/ Stephen D. Newlin \_\_\_\_\_

Stephen D. Newlin  
Chairman, President and Chief Executive Officer

February 18, 2011

The foregoing certification is being furnished solely pursuant to 18 U.S.C. § 1350 and is not being filed as part of the Report or as a separate disclosure document.

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report on Form 10-K of PolyOne Corporation (the "Company") for the year ended December 31, 2010, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Robert M. Patterson, Executive Vice President and Chief Financial Officer of the Company, do hereby certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to my knowledge:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company as of the dates and for the periods expressed in the Report.

/s/ Robert M. Patterson \_\_\_\_\_

Robert M. Patterson

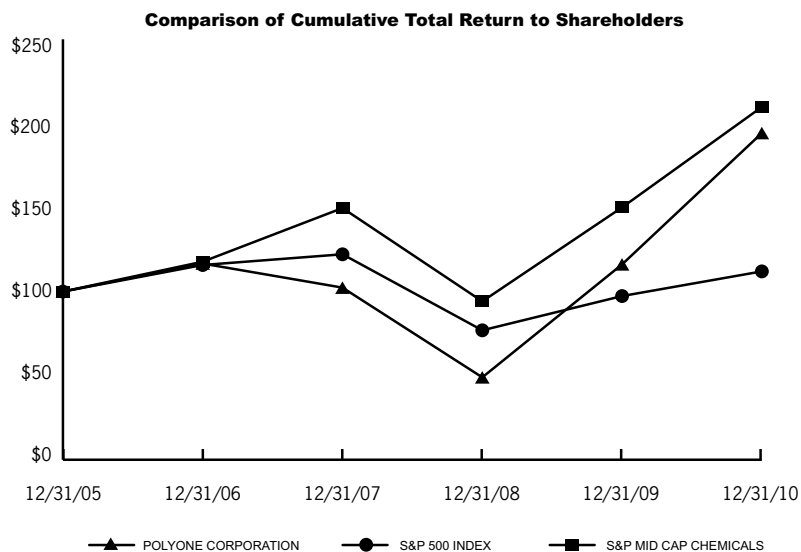
Executive Vice President and Chief Financial Officer

February 18, 2011

The foregoing certification is being furnished solely pursuant to 18 U.S.C. § 1350 and is not being filed as part of the Report or as a separate disclosure document.

## PolyOne Stock Performance

The following is a graph that compares the cumulative total shareholder returns for PolyOne's common shares, the S&P 500 index and the S&P Mid Cap Chemicals index with dividends assumed to be reinvested when received. The graph assumes the investing of \$100 from December 31, 2005 through December 31, 2011. The S&P Mid Cap Chemicals index includes a broad range of chemical manufacturers. Because of the relationship of PolyOne's business within the chemical industry, it is concluded that comparison with this broader index is appropriate.



Company / Index	INDEXED RETURNS					
	Base Period 12/31/05	12/31/06	12/31/07	Years Ending 12/31/08	12/31/09	12/31/10
PolyOne Corporation	\$100	\$116.64	\$102.33	\$48.99	\$116.17	\$194.25
S&P 500 Index	\$100	\$115.79	\$122.16	\$76.96	\$97.33	\$111.99
S&P Mid Cap Chemicals	\$100	\$117.76	\$149.65	\$94.16	\$150.05	\$209.77

## STOCK EXCHANGE LISTING

PolyOne Corporation Common Stock is listed in the New York Stock Exchange. Symbol: POL.

## SHAREHOLDER INQUIRIES

If you have any questions concerning your account as a shareholder, name or address changes, inquiries regarding stock certificates, or if you need tax information regarding your account, please contact our transfer agent:

Computershare Trust Company, N.A.  
P.O. Box 43078  
Providence, Rhode Island 02940-3078  
Phone: 877-498-8861  
www.computershare.com

**Additional information about PolyOne, including current and historic copies of Form 10-K and other reports filed with the Securities and Exchange Commission, is available online at [www.polyone.com](http://www.polyone.com) or free of charge from:**

Investor Affairs Administrator  
PolyOne Corporation  
33587 Walker Road  
Avon Lake, Ohio 44012  
Phone: 440-930-1522

## ANNUAL MEETING

The annual meeting of shareholders of PolyOne Corporation will be held May 11, 2011 at 9:00 a.m. at the LACENTRE Conference and Banquet Facility, Champagne C Ballroom, 25777 Detroit Road, Westlake, Ohio. The meeting notice and proxy materials were mailed to shareholders with this annual report. PolyOne Corporation urges all shareholders to vote their proxies so that they can participate in the decisions at the annual meeting.

## FINANCIAL INFORMATION

Security analysts and representatives of financial institutions are invited to contact:

Joseph P. Kelley  
Vice President, Planning and Investor Relations  
Phone: 440.930.3502  
Fax: 440.930.1446  
E-mail: [joseph.kelley@polyone.com](mailto:joseph.kelley@polyone.com)

## AUDITORS

Ernst & Young LLP  
925 Euclid Avenue, Suite 1300  
Cleveland, Ohio 44115-1476

## INTERNET ACCESS

Information on PolyOne's products and services, news releases, corporate governance, EDGAR filings, Forms 10-K and 10-Q, etc., as well as an electronic version of this annual report, are available on the Internet at [www.polyone.com](http://www.polyone.com).

## ANNUAL CERTIFICATIONS

PolyOne Corporation included as Exhibits 31.1 and 31.2 to its Annual Report on Form 10-K for 2009, filed with the Securities and Exchange Commission, certificates of its Chief Executive Officer and Chief Financial Officer certifying the quality of PolyOne's public disclosure. On June 1, 2010, PolyOne Corporation submitted to the New York Stock Exchange a certificate of the Chief Executive Officer of PolyOne certifying that he is not aware of any violation by PolyOne of New York Stock Exchange corporate governance standards.

## CORPORATE OFFICERS

### STEPHEN D. NEWLIN

Chairman, President and Chief Executive Officer

### BERNARD BAERT

Senior Vice President,  
President of Europe and South America

### DR. CECIL C. CHAPPELOW

Vice President, Innovation, Sustainability and  
Chief Innovation Officer

### DR. WILLIE CHIEN

Vice President,  
President of Asia

### MICHAEL E. KAHLER

Senior Vice President,  
Chief Commercial Officer

### THOMAS J. KEDROWSKI

Senior Vice President,  
Supply Chain and Operations

### JOSEPH P. KELLEY

Vice President, Planning and Investor Relations

### LISA K. KUNKLE

Vice President, General Counsel and Secretary

### JULIE A. MCALINDON

Vice President, Marketing

### CRAIG M. NIKRANT

Senior Vice President,  
President of Global Specialty Engineered Materials

### DANIEL J. O'BRYON

Vice President, Treasurer

### ROBERT M. PATTERSON

Executive Vice President,  
Chief Financial Officer

### MICHAEL L. RADEMACHER

Senior Vice President,  
President of Distribution

### ROBERT M. ROSENAU

Senior Vice President,  
President of Performance Products and Solutions

### KURT C. SCHUERING

Vice President, Key Account Management

### VINCENT W. SHEMO

Vice President, Corporate Controller

### KENNETH M. SMITH

Senior Vice President,  
Chief Information and Human Resources Officer

### JOHN V. VAN HULLE

Senior Vice President,  
President of Global Color, Additives and Inks

### FRANK J. VARI

Vice President, Tax

## BOARD OF DIRECTORS

### STEPHEN D. NEWLIN

Chairman, President and Chief Executive Officer,  
PolyOne Corporation. Committees: 3,4

### J. DOUGLAS CAMPBELL

Retired Chairman and Chief Executive Officer, ArrMaz  
Custom Chemicals, Inc. – a specialty mining and asphalt  
additives and reagents producer. Committees: 2,3,4\*

### DR. CAROL A. CARTWRIGHT

President, Bowling Green State University – a public  
higher education institution.  
Committees: 1,5\*

### RICHARD H. FEARON

Vice Chairman and Chief Financial and Planning Officer,  
Eaton Corporation – a global manufacturing company.  
Committees: 1\*,5

### GORDON D. HARNETT

Lead Director, PolyOne Corporation; Retired Chairman  
and Chief Executive Officer of Materion Corp. (formerly  
Brush Engineered Materials, Inc.) – a supplier and  
producer of engineered materials. Committees: 1,2\*

### RICHARD A. LORRAINE

Retired Senior Vice President and Chief Financial  
Officer, Eastman Chemical Company – a specialty  
chemicals company. Committees: 1,5

### EDWARD J. MOONEY

Retired Chairman and Chief Executive Officer, Nalco  
Chemical Company – a specialty chemicals company.  
Committees: 2,3\*,4

### WILLIAM H. POWELL

Retired Chairman and Chief Executive Officer,  
National Starch and Chemical Company – a specialty  
chemicals company. Committees: 2,3,4

### FARAH M. WALTERS

President and Chief Executive Officer,  
QualHealth, LLC – a healthcare consulting firm.  
Committees: 2,4,5

## COMMITTEES

1. Audit
2. Compensation
3. Environmental, Health and Safety
4. Financial Policy
5. Nominating and Governance

\* Denotes Chairperson

