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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**FORM 10-K**

**Annual Report Pursuant to Section 13 or 15(d) of the Securities and Exchange Act of 1934:  
For the fiscal year ended December 31, 2011**

**Commission file number 1-31763**

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**KRONOS WORLDWIDE, INC.**

(Exact name of Registrant as specified in its charter)

**DELAWARE**  
(State or other jurisdiction of  
incorporation or organization)

**76-0294959**  
(IRS Employer  
Identification No.)

**5430 LBJ Freeway, Suite 1700  
Dallas, Texas 75240-2697**  
(Address of principal executive offices)

**(972) 233-1700**

Registrant's telephone number, including area code:

**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 stock (\$.01 par value)	New York Stock Exchange

**No securities are registered pursuant to Section 12(g) of the Act.**

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Indicate by check mark:

If the Registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

If the Registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes  No

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 and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Whether the registrant has submitted electronically and posted on its corporate Website, 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

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. Yes  No

Whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company (as defined in Rule 12b-2 of the Act).

Large accelerated filer  Accelerated filer  Non-accelerated filer  Smaller reporting company

Whether the Registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes  No

The aggregate market value of the 21.7 million shares of voting stock held by nonaffiliates of Kronos Worldwide, Inc. as of June 30, 2011 (the last business day of the Registrant's most recently-completed second fiscal quarter) approximated \$682.0 million.

As of February 29, 2012, 115,902,098 shares of the Registrant's common stock were outstanding.

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**Documents incorporated by reference**

The information required by Part III is incorporated by reference from the Registrant's definitive proxy statement to be filed with the Commission pursuant to Regulation 14A not later than 120 days after the end of the fiscal year covered by this report.

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### Forward-Looking Information

This Annual Report on Form 10-K contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, as amended. Statements in this Annual Report that are not historical facts are forward-looking in nature and represent management's beliefs and assumptions based on currently available information. In some cases, you can identify forward-looking statements by the use of words such as "believes," "intends," "may," "should," "could," "anticipates," "expects" or comparable terminology, or by discussions of strategies or trends. Although we believe that the expectations reflected in such forward-looking statements are reasonable, we do not know if these expectations will be correct. Such statements by their nature involve substantial risks and uncertainties that could significantly impact expected results. Actual future results could differ materially from those predicted. The factors that could cause actual future results to differ materially from those described herein are the risks and uncertainties discussed in this Annual Report and those described from time to time in our other filings with the SEC include, but are not limited to, the following:

- Future supply and demand for our products
- The extent of the dependence of certain of our businesses on certain market sectors
- The cyclical nature of our business
- Customer inventory levels
- Changes in raw material and other operating costs (such as energy and ore costs)
- Changes in the availability of raw materials (such as ore)
- General global economic and political conditions (such as changes in the level of gross domestic product in various regions of the world and the impact of such changes on demand for TiO<sub>2</sub>)
- Competitive products and substitute products
- Customer and competitor strategies
- Potential consolidation of our competitors
- The impact of pricing and production decisions
- Competitive technology positions
- The introduction of trade barriers
- Possible disruption of our business, or increases in our cost of doing business, resulting from terrorist activities or global conflicts
- Fluctuations in currency exchange rates (such as changes in the exchange rate between the U.S. dollar and each of the euro, the Norwegian krone and the Canadian dollar), or possible disruptions to our business resulting from potential instability resulting from uncertainties associated with the euro
- Operating interruptions (including, but not limited to, labor disputes, leaks, natural disasters, fires, explosions, unscheduled or unplanned downtime and transportation interruptions)
- Our ability to renew or refinance credit facilities
- Our ability to maintain sufficient liquidity
- The ultimate outcome of income tax audits, tax settlement initiatives or other tax matters
- Our ability to utilize income tax attributes, the benefits of which have been recognized under the more-likely-than-not recognition criteria
- Environmental matters (such as those requiring compliance with emission and discharge standards for existing and new facilities)
- Government laws and regulations and possible changes therein

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- The ultimate resolution of pending litigation (such as the matter described in Note 15 to our Consolidated Financial Statements)
- Possible future litigation.

Should one or more of these risks materialize (or the consequences of such a development worsen), or should the underlying assumptions prove incorrect, actual results could differ materially from those forecasted or expected. We disclaim any intention or obligation to update or revise any forward-looking statements whether as a result of changes in information, future events or otherwise.

## PART I

### ITEM 1. BUSINESS

#### General

Kronos Worldwide, Inc. (NYSE: KRO) (Kronos), a Delaware corporation, is a leading global producer and marketer of value-added titanium dioxide pigments, or TiO<sub>2</sub>, a base industrial product used in a wide range of applications. We, along with our distributors and agents, sell and provide technical services for our products to over 4,000 customers in approximately 100 countries with the majority of sales in Europe and North America. We believe we have developed considerable expertise and efficiency in the manufacture, sale, shipment and service of our products in domestic and international markets.

TiO<sub>2</sub> is a white inorganic pigment used in a wide range of products for its exceptional ability to impart whiteness, brightness, opacity and durability. TiO<sub>2</sub> is a critical component of everyday applications, such as coatings, plastics and paper, as well as many specialty products such as inks, food and cosmetics. TiO<sub>2</sub> is widely considered to be superior to alternative white pigments in large part due to its hiding power (or opacity), which is the ability to cover or mask other materials effectively and efficiently. TiO<sub>2</sub> is designed, marketed and sold based on specific end-use applications.

TiO<sub>2</sub> is the largest commercially used whitening pigment because it has a high refractive rating giving it more hiding power than any other commercially produced white pigment. In addition, TiO<sub>2</sub> has excellent resistance to interaction with other chemicals, good thermal stability and resistance to ultraviolet degradation. Although there are other white pigments on the market, we believe there are no effective substitutes for TiO<sub>2</sub> because no other white pigment has the physical properties for achieving comparable opacity and brightness or can be incorporated in as cost-effective a manner. Pigment extenders such as kaolin clays, calcium carbonate and polymeric opacifiers are used together with TiO<sub>2</sub> in a number of end-use markets. However, these products are not able to duplicate the opacity performance characteristics of TiO<sub>2</sub> and we believe these products are unlikely to have a significant impact on the use of TiO<sub>2</sub>.

TiO<sub>2</sub> is considered a “quality-of-life” product. Demand for TiO<sub>2</sub> has generally been driven by worldwide gross domestic product and has generally increased with rising standards of living in various regions of the world. According to industry estimates, TiO<sub>2</sub> consumption has grown at a compound annual growth rate of approximately 3.3% since 1990. Per capita consumption of TiO<sub>2</sub> in the United States and Western Europe far exceeds that in other areas of the world, and these regions are expected to continue to be the largest consumers of TiO<sub>2</sub>. We believe that North America and Western Europe currently account for approximately 16% and 22% of global TiO<sub>2</sub> consumption,

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respectively. Markets for TiO<sub>2</sub> are increasing in South America, Eastern Europe, the Far East and China and we believe these are significant markets that will continue to grow as economies in these regions continue to develop and quality-of-life products, including TiO<sub>2</sub>, experience greater demand.

In recent years, global production capacity for TiO<sub>2</sub> has modestly increased primarily due to debottlenecking existing production facilities. However, during 2008 and 2009, several TiO<sub>2</sub> manufacturers permanently reduced capacity at high operating cost facilities in Europe, North America and China, in part in connection with environmental-related issues. Decreased capacity, along with the decline in customer inventories which occurred in the first half of 2009, led to industry-wide tightness in TiO<sub>2</sub> inventories. As a result of these factors, TiO<sub>2</sub> selling prices began to increase in the second half of 2009 and continued to increase throughout 2010 and 2011. Further increases in TiO<sub>2</sub> selling prices are expected to be implemented in 2012.

At December 31, 2011, approximately 50% of our common stock was owned by Valhi, Inc. (NYSE: VHI) and approximately 30% was owned by NL Industries, Inc. (NYSE: NL). Valhi also owns approximately 83% of NL Industries' outstanding common stock. Contran Corporation and its subsidiaries held approximately 95% of Valhi's outstanding common stock. Substantially all of Contran Corporation's outstanding voting stock is held by trusts established for the benefit of certain children and grandchildren of Harold C. Simmons (for which Mr. Simmons is trustee), or is held by Mr. Simmons or other persons or entities related to Mr. Simmons. Consequently, Mr. Simmons may be deemed to control all of these companies.

### Products and End-use Markets

We, including our predecessors, have produced and marketed TiO<sub>2</sub> in North America and Europe, our primary markets, for over 90 years. We believe that we are the largest producer of TiO<sub>2</sub> in Europe with approximately one-half of our sales volumes attributable to markets in Europe. The table below shows our market share for our significant markets, Europe and North America, for the last three years. Market share data prior to 2011 has been restated to include China, India and certain other smaller global markets.

	2009	2010	2011
Europe	18%	19%	19%
North America	17%	18%	17%

We believe that we are the leading seller of TiO<sub>2</sub> in several countries, including Germany, with an estimated 10% share of worldwide TiO<sub>2</sub> sales volume in 2011. Overall, we are the world's third-largest producer of TiO<sub>2</sub>.

We offer our customers a broad portfolio of products that include over 40 different TiO<sub>2</sub> pigment grades under the *Kronos*<sup>®</sup> trademark which provide a variety of performance properties to meet customers' specific requirements. Our major customers include domestic and international paint, plastics, decorative laminate and paper manufacturers. We ship TiO<sub>2</sub> to our customers in either a powder or slurry form via rail, truck or ocean carrier. Sales of our core TiO<sub>2</sub> pigments represented approximately 92% of our net sales in 2011. We and our agents and distributors primarily sell and provide technical services for our products in three major end-use markets: coatings, plastics and paper.

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The following tables show our approximate sales volume by geographic region and end use for the year ended December 31, 2011:

Sales Volumes Percentages by Geographic Region		Sales Volumes Percentages by End-use	
Europe	53%	Coatings	53%
North America	32%	Plastics	35%
Asia Pacific	10%	Other	8%
Rest of World	5%	Paper	4%

Some of the principal applications for our products include the following:

*TiO<sub>2</sub> for Coatings*—Our TiO<sub>2</sub> is used to provide opacity, durability, tinting strength and brightness in industrial coatings, as well as coatings for home interiors and exteriors, automobiles, aircraft, machines, appliances, traffic paint and other special purpose coatings. The amount of TiO<sub>2</sub> used in coatings varies widely depending on the opacity, color and quality desired. In general, the higher the opacity requirement of the coating, the greater is its TiO<sub>2</sub> content.

*TiO<sub>2</sub> for Plastics*—We produce TiO<sub>2</sub> pigments that improve the optical and physical properties in plastics, including whiteness and opacity. TiO<sub>2</sub> is used to provide opacity in items such as containers and packaging materials, and vinyl products such as windows, door profiles and siding. TiO<sub>2</sub> also generally provides hiding power, neutral undertone, brightness and surface durability for housewares, appliances, toys, computer cases and food packages. TiO<sub>2</sub>'s high brightness along with its opacity, is used in some engineering plastics to help mask their undesirable natural color. TiO<sub>2</sub> is also used in masterbatch, which is a concentrate of TiO<sub>2</sub> and other additives and is one of the largest uses for TiO<sub>2</sub> in the plastics end-use market. In masterbatch, the TiO<sub>2</sub> is dispersed at high concentrations into a plastic resin and is then used by manufacturers of plastic containers, bottles, packaging and agricultural films.

*TiO<sub>2</sub> for Paper*—Our TiO<sub>2</sub> is used in the production of several types of paper, including laminate (decorative) paper, filled paper and coated paper to provide whiteness, brightness, opacity and color stability. Although we sell our TiO<sub>2</sub> to all segments of the paper end-use market, our primary focus is on the TiO<sub>2</sub> grades used in paper laminates, where several layers of paper are laminated together using melamine resin under high temperature and pressure. The top layer of paper contains TiO<sub>2</sub> and plastic resin and is the layer that is printed with decorative patterns. Paper laminates are used to replace materials such as wood and tile for such applications as counter tops, furniture and wallboard. TiO<sub>2</sub> is beneficial in these applications because it assists in preventing the material from fading or changing color after prolonged exposure to sunlight and other weathering agents.

*TiO<sub>2</sub> for Other Applications*—We produce TiO<sub>2</sub> to improve the opacity and hiding power of printing inks. TiO<sub>2</sub> allows inks to achieve very high print quality while not interfering with the technical requirements of printing machinery, including low abrasion, high printing speed and high temperatures. Our TiO<sub>2</sub> is also used in textile applications where TiO<sub>2</sub> functions as an opacifying and delustering agent. In man-made fibers such as rayon and polyester, TiO<sub>2</sub> corrects an otherwise undesirable glossy and translucent appearance. Without the presence of TiO<sub>2</sub>, these materials would be unsuitable for use in many textile applications.

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We produce high purity sulfate process anatase TiO<sub>2</sub> used to provide opacity, whiteness and brightness in a variety of cosmetic and personal care products, such as skin cream, lipstick, eye shadow and toothpaste. Our TiO<sub>2</sub> is also found in food products, such as candy and confectionaries, and in pet foods where it is used to obtain uniformity of color and appearance. In pharmaceuticals, our TiO<sub>2</sub> is used commonly as a colorant in pill and capsule coatings as well as in liquid medicines to provide uniformity of color and appearance. Kronos® purified anatase grades meet the applicable requirements of the CTFA (Cosmetics, Toiletries and Fragrances Association), USP and BP (United States Pharmacopoeia and British Pharmacopoeia) and the FDA (United States Food and Drug Administration).

Our TiO<sub>2</sub> business is enhanced by the following three complementary businesses, which comprised approximately 8% of our net sales in 2011:

- We own and operate two ilmenite mines in Norway pursuant to a governmental concession with an unlimited term. We commenced production from our second mine in 2009. Ilmenite is a raw material used directly as a feedstock by some sulfate-process TiO<sub>2</sub> plants. We believe that we have a significant competitive advantage because our mines supply our feedstock requirements for all of our European sulfate-process plants. We also sell ilmenite ore to third-parties, some of whom are our competitors. The mines have estimated ilmenite reserves that are expected to last at least 50 years.
- We manufacture and sell iron-based chemicals, which are co-products and processed co-products of the sulfate and chloride process TiO<sub>2</sub> pigment production. These co-product chemicals are marketed through our Ecochem division and are primarily used as treatment and conditioning agents for industrial effluents and municipal wastewater as well as in the manufacture of iron pigments, cement and agricultural products.
- We manufacture and sell titanium oxychloride and titanyl sulfate, which are side-stream specialty products from the production of TiO<sub>2</sub>. Titanium oxychloride is used in specialty applications in the formulation of pearlescent pigments, production of electroceramic capacitors for cell phones and other electronic devices. Titanyl sulfate productions are used in pearlescent pigments, natural gas pipe and other specialty applications.

### **Manufacturing, Operations and Properties**

We produce TiO<sub>2</sub> in two crystalline forms: rutile and anatase. Rutile TiO<sub>2</sub> is manufactured using both a chloride production process and a sulfate production process, whereas anatase TiO<sub>2</sub> is only produced using a sulfate production process. Manufacturers of many end-use applications can use either form, especially during periods of TiO<sub>2</sub> supply tightness. The chloride process is the preferred form for use in coatings and plastics, the two largest end-use markets. Due to environmental factors and customer considerations, the proportion of TiO<sub>2</sub> industry sales represented by chloride process pigments has increased relative to sulfate process pigments and in 2011, chloride process production facilities represented approximately 55% of industry capacity. The sulfate process is preferred for use in selected paper products, ceramics, rubber tires, man-made fibers, food and cosmetics. Once an intermediate TiO<sub>2</sub> pigment has been produced by either the chloride or sulfate process, it is “finished” into products with specific performance characteristics for particular end-use applications through proprietary processes involving various chemical surface treatments and intensive micronizing (milling).

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- *Chloride Process*—The chloride process is a continuous process in which chlorine is used to extract rutile TiO<sub>2</sub>. This process has also gained market share over the sulfate process because of the relatively lower upfront capital investment in plant and equipment required. The chloride process produces less waste than the sulfate process because much of the chlorine is recycled and feedstock bearing higher titanium content is used. The chloride process also has lower energy requirements and is less labor-intensive than the sulfate process. The chloride process produces an intermediate base pigment with a wide range of properties.
- *Sulfate Process*—The Sulfate process is a batch process in which sulfuric acid is used to extract the TiO<sub>2</sub> from ilmenite or titanium slag. After separation from the impurities in the ore (mainly iron) the TiO<sub>2</sub> is precipitated and calcined to form an intermediate base pigment ready for sale or can be upgraded through finishing treatments.

We produced 550,000 metric tons of TiO<sub>2</sub> in 2011, up from the 524,000 metric tons we produced in 2010. Our TiO<sub>2</sub> production in 2011 was a new record for us. Such production amounts include our 50% interest in the TiO<sub>2</sub> manufacturing joint venture discussed below in “TiO<sub>2</sub> Manufacturing Joint Venture.” Our average production capacity utilization rates were approximately 76% in 2009, near full capacity in 2010 and at full capacity in 2011. In late 2008, and as a result of the sharp decline in global demand, we experienced a build up in our inventory levels. In order to decrease our inventory levels and improve our liquidity, we implemented production curtailments during the first half of 2009. Consequently, our average production capacity utilization rates were approximately 58% during the first half of 2009 as compared to 94% during the second half of 2009.

We operate four TiO<sub>2</sub> plants in Europe (one in each of Leverkusen, Germany; Nordenham, Germany; Langerbrugge, Belgium; and Fredrikstad, Norway). In North America, we have a TiO<sub>2</sub> plant in Varennes, Quebec, Canada and, through the manufacturing joint venture described below in “TiO<sub>2</sub> Manufacturing Joint Venture,” a 50% interest in a TiO<sub>2</sub> plant in Lake Charles, Louisiana.

Our production capacity in 2011 was 550,000 metric tons, approximately three-fourths of which was from the chloride production process.

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The following table presents the division of our expected 2012 manufacturing capacity by plant location and type of manufacturing process:

Facility	Description	% of Capacity by TiO <sub>2</sub> Manufacturing Process	
		Chloride	Sulfate
Leverkusen, Germany (1)	TiO <sub>2</sub> production, chloride and sulfate process, co-products	39%	26%
Nordenham, Germany	TiO <sub>2</sub> production, sulfate process, co-products	—	40
Langerbrugge, Belgium	TiO <sub>2</sub> production, chloride process, co-products, titanium chemicals products	21	—
Fredrikstad, Norway (2)	TiO <sub>2</sub> production, sulfate process, co-products	—	21
Varenes, Canada	TiO <sub>2</sub> production, chloride and sulfate process, slurry facility, titanium chemicals products	21	13
Lake Charles, LA, US (3)	TiO <sub>2</sub> production, chloride process	19	—
Total		<u>100%</u>	<u>100%</u>

- (1) The Leverkusen facility is located within an extensive manufacturing complex owned by Bayer AG. We own the Leverkusen facility, which represents about one-third of our current TiO<sub>2</sub> production capacity, but we lease the land under the facility from Bayer under a long-term agreement which expires in 2050. Lease payments are periodically negotiated with Bayer for periods of at least two years at a time. A majority-owned subsidiary of Bayer provides some raw materials including chlorine, auxiliary and operating materials, utilities and services necessary to operate the Leverkusen facility under separate supplies and services agreements.
- (2) The Fredrikstad plant is located on public land and is leased until April 2013 with an option to extend the lease for an additional 50 years.
- (3) We operate this facility in a 50/50 joint venture with Tioxide Americas Inc., a subsidiary of Huntsman Corporation and the amount indicated in the table above represents our share of the TiO<sub>2</sub> produced by the joint venture. See Note 5 to our Consolidated Financial Statements and “TiO<sub>2</sub> Manufacturing Joint Venture.”

We own the land underlying all of our principle production facilities unless otherwise indicated in the table above.

Our production capacity has increased by approximately 20% over the past ten years due to debottlenecking programs, with only moderate capital



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expenditures. We believe that our annual attainable production capacity for 2012 is approximately 550,000 metric tons and we currently expect we will operate at near full production capacity for the year.

We also operate two ilmenite mines in Norway pursuant to a governmental concession with an unlimited term. In addition, we operate a rutile slurry manufacturing plant in Lake Charles, Louisiana, which converts dry pigment manufactured at the Lake Charles TiO<sub>2</sub> facility for us into a slurry form that is then shipped to customers.

We have various corporate and administrative offices located in the U.S., Germany, Norway, Canada and Belgium and various sales offices located in the U.S., Canada, Belgium, France, the Netherlands and the United Kingdom.

### **TiO<sub>2</sub> Manufacturing Joint Venture**

Kronos Louisiana, Inc., one of our subsidiaries, and a subsidiary of Huntsman Corporation each own a 50% interest in a manufacturing joint venture, Louisiana Pigment Company, L.P., or LPC. LPC owns and operates a chloride-process TiO<sub>2</sub> plant located in Lake Charles, Louisiana. We and Huntsman share production from the plant equally pursuant to separate offtake agreements.

A supervisory committee directs the business and affairs of the joint venture, including production and output decisions. This committee is composed of four members, two of whom we appoint and two of whom Huntsman appoints. Two general managers manage the operations of the joint venture acting under the direction of the supervisory committee. We appoint one general manager and Huntsman appoints the other.

We are required to purchase one-half of the TiO<sub>2</sub> produced by the joint venture. The joint venture is not consolidated in our financial statements, because we do not control it. We account for our interest in the joint venture by the equity method. The joint venture operates on a break-even basis and therefore we do not have any equity in earnings of the joint venture. We share all costs and capital expenditures equally with Huntsman with the exception of raw material and packaging costs for the pigment grades produced. Our share of net costs is reported as cost of sales as the TiO<sub>2</sub> is sold. See Notes 5 and 14 to our Consolidated Financial Statements.

### **Raw Materials**

The primary raw materials used in chloride process TiO<sub>2</sub> are titanium-containing feedstock (natural rutile ore or purchased slag), chlorine and coke. Chlorine is available from a number of suppliers, while petroleum coke is available from a limited number of suppliers. Titanium-containing feedstock suitable for use in the chloride process is available from a limited but increasing number of suppliers principally in Australia, South Africa, Canada, India and the United States. We purchase chloride process grade slag from Rio Tinto Iron and Titanium under a long-term supply contract that expires at the end of 2016 and from Exxaro TSA Sands (PTY) LTD under a supply contract that expires in December 2012. We purchase upgraded slag from Q.I.T. Fer et Titane Inc. (a subsidiary of Rio Tinto Iron and Titanium) under a long-term supply contract that expires at the end of 2015. We purchase natural rutile ore primarily from Iluka Resources, Limited under contracts that expire in 2012. In the past we have been, and we expect that we will continue to be, successful in obtaining long-term extensions to these and other existing supply contracts prior to their expiration. We expect the raw materials purchased under these contracts to meet our chloride process feedstock requirements over the next several years.

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The primary raw materials used in sulfate process TiO<sub>2</sub> are titanium-containing feedstock, primarily ilmenite or purchased sulfate grade slag and sulfuric acid. Sulfuric acid is available from a number of suppliers. Titanium-containing feedstock suitable for use in the sulfate process is available from a limited number of suppliers principally in Norway, Canada, Australia, India and South Africa. As one of the few vertically-integrated producers of sulfate process TiO<sub>2</sub>, we operate two rock ilmenite mines in Norway, which provided all of the feedstock for our European sulfate process TiO<sub>2</sub> plants in 2011. We expect ilmenite production from our mines to meet our European sulfate process feedstock requirements for the foreseeable future. For our Canadian sulfate process plant, we also purchase sulfate grade slag primarily from Q.I.T. Fer et Titane Inc. (a subsidiary of Rio Tinto Iron and Titanium), under a long-term supply contract that expires at the end of 2014. We expect the raw materials purchased under these contracts to meet our sulfate process feedstock requirements over the next several years.

Many of our raw material contracts contain fixed quantities we are required to purchase, or specify a range of quantities within which we are required to purchase. The pricing under these agreements is generally negotiated quarterly or semi-annually depending upon the suppliers.

The following table summarizes our raw materials purchased or mined in 2011.

<u>Production Process/Raw Material</u>	<u>Raw Materials Procured or Mined</u> (In thousands of metric tons)
Chloride process plants:	
Purchased slag or rutile ore	486
Sulfate process plants:	
Ilmenite ore mined and used internally	326
Purchased slag	25

## **Sales and Marketing**

Our marketing strategy is aimed at developing and maintaining strong customer relationships with new and existing accounts. Because TiO<sub>2</sub> represents a significant raw material cost for our customers, the purchasing decisions are often made by our customers' senior management. We work to maintain close relationships with the key decision makers, through in-depth frequent in-person meetings. We endeavor to extend these commercial and technical relationships to multiple levels within our customers' organization using our direct sales force and technical service group to accomplish this objective. We believe this has helped build customer loyalty to Kronos and strengthened our competitive position. Close cooperation and strong customer relationships enable us to stay closely attuned to trends in our customers' businesses. Where appropriate, we work in conjunction with our customers to solve formulation or application problems by modifying specific product properties or developing new pigment grades. We also focus our sales and marketing efforts on those geographic and end-use market segments where we believe we can realize higher selling prices. This focus includes continuously reviewing and optimizing our customer and product portfolios.

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Our marketing strategy is also aimed at working directly with customers to monitor the success of our products in their end-use applications, evaluate the need for improvements in product and process technology and identify opportunities to develop new product solutions for our customers. Our marketing staff closely coordinates with our sales force and technical specialists to ensure that the needs of our customers are met, and to help develop and commercialize new grades where appropriate.

We sell a majority of our products through our direct sales force operating from six sales offices in Europe and one sales office in North America. We also utilize sales agents and distributors who are authorized to sell our products in specific geographic areas. In Europe, our sales efforts are conducted primarily through our direct sales force and our sales agents. Our agents do not sell any TiO<sub>2</sub> products other than Kronos® brand products. In North America, our sales are made primarily through our direct sales force and supported by a network of distributors. In addition to our direct sales force and sales agents, many of our sales agents also act as distributors to service our smaller customers in all regions. We offer the same high level of customer and technical service to the customers who purchase our products through distributors as we offer to our larger customers serviced by our direct sales force.

We sell to a diverse customer base and no single customer made up more than 10% of our sales for 2011. Our largest ten customers accounted for approximately 30% of sales in 2011.

Neither our business as a whole nor that of any of our principal product groups is seasonal to any significant extent. However, TiO<sub>2</sub> sales are generally higher in the second and third quarters of the year, due in part to the increase in paint production in the spring to meet demand during the spring and summer painting seasons. We have historically operated our production facilities at near full capacity rates throughout the entire year, which among other things helps to minimize our per-unit production costs. As a result, we normally will build inventories during the first and fourth quarters of each year, in order to maximize our product availability during the higher demand periods normally experienced in the second and third quarters.

### **Competition**

The TiO<sub>2</sub> industry is highly competitive. We compete primarily on the basis of price, product quality, technical service and the availability of high performance pigment grades. Since TiO<sub>2</sub> is not a traded commodity, its pricing is largely a product of negotiation between suppliers and their respective customers. Although certain TiO<sub>2</sub> grades are considered specialty pigments, the majority of our grades and substantially all of our production are considered commodity pigments with price and availability being the most significant competitive factors along with quality and customer service. During 2011, we had an estimated 10% share of worldwide TiO<sub>2</sub> sales volume, and based on sales volumes, we believe we are the leading seller of TiO<sub>2</sub> in several countries, including Germany.

Our principal competitors are E.I. du Pont de Nemours & Co., or Dupont; Millennium Inorganic Chemicals, Inc. (a subsidiary of National Titanium Dioxide Company Ltd.), or Cristal; Huntsman Corporation; Tronox Incorporated; and Sachtleben Chemie GmbH. The top five TiO<sub>2</sub> producers account for approximately 59% of the world's production capacity.

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The following chart shows our estimate of worldwide production capacity in 2011:

DuPont	20%
Cristal	12%
Kronos	10%
Huntsman	9%
Tronox	8%
Other	41%

DuPont has over one-half of total North American TiO<sub>2</sub> production capacity and is our principal North American competitor. Tronox filed for Chapter 11 bankruptcy protection in January 2009 and continued to operate as a debtor-in-possession until February 2011, at which time it emerged from Chapter 11. During 2011, Tronox agreed to participate in certain transactions that, if approved, would give Exxaro Mineral Sands, a major producer of titanium ore feedstock, an ownership interest in Tronox. There can be no assurance that such transactions involving Tronox would be approved and completed.

Over the past ten years, we and our competitors have increased industry capacity through debottlenecking projects, which in part compensated for the shut down of TiO<sub>2</sub> plants in France, the United States, the United Kingdom and China. In addition, in May 2011, Dupont announced a comprehensive plan to add approximately 350,000 metric tons of global capacity in the next three years. Although overall industry demand is expected to be higher in 2012 as compared to 2011 as a result of improving worldwide economic conditions, we do not expect any other significant efforts will be undertaken by us or our competitors to further increase capacity for the foreseeable future, other than through debottlenecking projects. If actual developments differ from our expectations, the TiO<sub>2</sub> industry's performance and that of our own could be unfavorably affected.

The TiO<sub>2</sub> industry is characterized by high barriers to entry consisting of high capital costs, proprietary technology and significant lead times (typically three to five years in our experience) required to construct new facilities or expand existing capacity. In addition, we believe the suppliers of titanium-containing feedstock do not currently have the ability to supply the raw materials that would be required to operate any such new TiO<sub>2</sub> production capacity until they have invested in additional infrastructure required to expand their own production capacity, which we believe will take a few years to complete. We believe it is unlikely any new TiO<sub>2</sub> plants will be constructed in Europe or North America in the foreseeable future.

### Research and Development

We employ scientists, chemists, process engineers and technicians who are engaged in research and development, process technology and quality assurance activities in Leverkusen, Germany. These individuals have the responsibility for improving chloride and sulfate production processes, improving product quality and strengthening our competitive position by developing new applications. Our expenditures for these activities were approximately \$12 million in 2009, \$13 million in 2010 and \$20 million in 2011. We expect to spend approximately \$22 million on research and development in 2012.

We continually seek to improve the quality of our grades and have been successful at developing new grades for existing and new applications to meet the needs of our customers and increase product life cycles. Since 2006, we have added five new grades for plastics and coatings.

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### **Patents, Trademarks, Trade Secrets and Other Intellectual Property Rights**

We have a comprehensive intellectual property protection strategy that includes obtaining, maintaining and enforcing our patents, primarily in the United States, Canada and Europe. We also protect our trademark and trade secret rights and have entered into license agreements with third parties concerning various intellectual property matters. We have also from time to time been involved in disputes over intellectual property.

*Patents*—We have obtained patents and have numerous patent applications pending that cover our products and the technology used in the manufacture of our products. Our patent strategy is important to us and our continuing business activities. In addition to maintaining our patent portfolio, we seek patent protection for our technical developments, principally in the United States, Canada and Europe. U.S. Patents are generally in effect for 20 years from the date of filing. Our U.S. patent portfolio includes patents having remaining terms ranging from one year to 20 years.

*Trademarks and Trade Secrets*—Our trademarks, including Kronos®, are covered by issued and/or pending registrations, including in Canada and the United States. We protect the trademarks that we use in connection with the products we manufacture and sell and have developed goodwill in connection with our long-term use of our trademarks. We conduct research activities in secret and we protect the confidentiality of our trade secrets through reasonable measures, including confidentiality agreements and security procedures. We rely upon unpatented proprietary knowledge and continuing technological innovation and other trade secrets to develop and maintain our competitive position. Our proprietary chloride production process is an important part of our technology and our business could be harmed if we fail to maintain confidentiality of our trade secrets used in this technology.

### **Employees**

As of December 31, 2011, we employed the following number of people:

Europe	1,985
Canada	440
United States (1)	45
Total	<u>2,470</u>

(1) Excludes employees of our Louisiana joint venture.

Certain employees at each of our production facilities are organized by labor unions. In Europe, our union employees are covered by master collective bargaining agreements for the chemical industry that are generally renewed annually. In Canada, our union employees are covered by a collective bargaining agreement that expires in 2013.

### **Regulatory and Environmental Matters**

Our operations and properties are governed by various environmental laws and regulations, which are complex, change frequently and have tended to become stricter over time. These environmental laws govern, among other things, the generation, storage, handling, use and transportation of hazardous materials; the emission and discharge of hazardous materials into the ground,

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air or water; and the health and safety of our employees. Certain of our operations are, or have been, engaged in the generation, storage, handling, manufacture or use of substances or compounds that may be considered toxic or hazardous within the meaning of applicable environmental laws and regulations. As with other companies engaged in similar businesses, certain of our past and current operations and products have the potential to cause environmental or other damage. We have implemented and continue to implement various policies and programs in an effort to minimize these risks. Our policy is to comply with applicable environmental laws and regulations at all our facilities and to strive to improve our environmental performance. It is possible that future developments, such as stricter requirements in environmental laws and enforcement policies, could adversely affect our operations, including production, handling, use, storage, transportation, sale or disposal of hazardous or toxic substances or require us to make capital and other expenditures to comply, and could adversely affect our consolidated financial position and results of operations or liquidity.

Our U.S. manufacturing operations are governed by federal, state and local environmental and worker health and safety laws and regulations. These include the Resource Conservation and Recovery Act, or RCRA, the Occupational Safety and Health Act, the Clean Air Act, the Clean Water Act, the Safe Drinking Water Act, the Toxic Substances Control Act and the Comprehensive Environmental Response, Compensation and Liability Act, as amended by the Superfund Amendments and Reauthorization Act, or CERCLA, as well as the state counterparts of these statutes. Some of these laws hold current or previous owners or operators of real property liable for the costs of cleaning up contamination, even if these owners or operators did not know of, and were not responsible for, such contamination. These laws also assess liability on any person who arranges for the disposal or treatment of hazardous substances, regardless of whether the affected site is owned or operated by such person. Although we have not incurred and do not currently anticipate any material liabilities in connection with such environmental laws, we may be required to make expenditures for environmental remediation in the future.

While the laws regulating operations of industrial facilities in Europe vary from country to country, a common regulatory framework is provided by the European Union, or the EU. Germany and Belgium are members of the EU and follow its initiatives. Norway is not a member but generally patterns its environmental regulatory actions after the EU.

At our sulfate plant facilities in Germany, we recycle spent sulfuric acid either through contracts with third parties or at our own facilities. In addition, at our German locations we have a contract with a third-party to treat certain sulfate-process effluents. At our Norwegian plant, we ship spent acid to a third party location where it is used as a neutralization agent. These contracts may be terminated by either party after giving three or four years advance notice, depending on the contract.

From time to time, our facilities may be subject to environmental regulatory enforcement under U.S. and non-U.S. statutes. Typically we establish compliance programs to resolve these matters. Occasionally, we may pay penalties. To date such penalties have not involved amounts having a material adverse effect on our consolidated financial position, results of operations or liquidity. We believe that all of our facilities are in substantial compliance with applicable environmental laws.

In December 2006, the EU approved Registration, Evaluation and Authorization of Chemicals, or REACH, which took effect on June 1, 2007 and

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will be phased in over an 11-year period from the implementation date. Under REACH, companies that manufacture or import more than one ton of a chemical substance per year in the EU will be required to register such chemical substances in a central data base. REACH affects our European operations by imposing a testing, evaluation and registration program for many of the chemicals we use or produce in Europe. Under REACH, substances of very high concern may require authorization for further use and may also be restricted in the future, which could increase our production costs. We have established a REACH team that is working to identify and list all substances purchased, manufactured or imported by or for us in the EU. We spent \$.7 million in 2009, \$2.6 million in 2010 and \$.4 million in 2011 on REACH compliance and we do not anticipate that future compliance costs will be material to us.

Our capital expenditures related to ongoing environmental compliance, protection and improvement programs, including capital expenditures which are primarily focused on increased operating efficiency but also result in improved environmental protection such as lower emissions from our manufacturing facilities, were \$30.2 million in 2011 and are currently expected to be approximately \$26 million in 2012.

### **Website and other available information**

Our fiscal year ends December 31. Our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and any amendments to those reports are available on our website at [www.kronosww.com](http://www.kronosww.com). These reports are available on the website, without charge, as soon as is reasonably practicable after we file or furnish them electronically with the Securities and Exchange Commission, or SEC. Additional information regarding us, including our Audit Committee charter, Code of Business Conduct and Ethics and our Corporate Governance Guidelines, can also be found at this website. Information contained on our website is not part of this report. We will also provide free copies of such documents upon written request. Such requests should be directed to the Corporate Secretary at our address on the cover page of this Form 10-K.

The public may read and copy any materials we file with the SEC at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. The public may obtain information about the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. We are an electronic filer and the SEC maintains an internet website that contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC at [www.sec.gov](http://www.sec.gov).

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

Below are certain risk factors associated with our business. In addition to the potential effect of these risk factors discussed below, any risk factor which could result in reduced earnings or operating losses, or reduced liquidity, could in turn adversely affect our ability to service our liabilities or pay dividends on our common stock or adversely affect the quoted market prices for our securities.

#### **Demand for, and prices of, certain of our products are influenced by changing market conditions for our products, which may result in reduced earnings or operating losses.**

Approximately 92% of our revenues are attributable to sales of TiO<sub>2</sub>. Pricing within the global TiO<sub>2</sub> industry over the long term is cyclical and

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changes in economic conditions, especially in Western industrialized nations, can significantly impact our earnings and operating cash flows. Historically, the markets for many of our products have experienced alternating periods of increasing and decreasing demand. Relative changes in the selling prices for our products are one of the main factors that affect the level of our profitability. In periods of increasing demand, our selling prices and profit margins generally will tend to increase, while in periods of decreasing demand our selling prices and profit margins generally tend to decrease. In addition, pricing may affect customer inventory levels as customers may from time to time accelerate purchases of TiO<sub>2</sub> in advance of anticipated price increases or defer purchases of TiO<sub>2</sub> in advance of anticipated price decreases. Our ability to further increase capacity without additional investment in greenfield or brownfield capacity increases may be limited and as a result, our profitability may become even more dependent upon the selling prices of our products.

The demand for TiO<sub>2</sub> during a given year is also subject to annual seasonal fluctuations. TiO<sub>2</sub> sales are generally higher in the second and third quarters of the year. This is due in part to the increase in paint production in the spring to meet demand during the spring and summer painting season.

### **The TiO<sub>2</sub> industry is concentrated and highly competitive and we face price pressures in the markets in which we operate, which may result in reduced earnings or operating losses.**

The global market in which we operate our business is concentrated with the top five TiO<sub>2</sub> producers accounting for 59% of the world's production capacity and is highly competitive. Competition is based on a number of factors, such as price, product quality and service. Some of our competitors may be able to drive down prices for our products because their costs are lower than our costs. In addition, some of our competitors' financial, technological and other resources may be greater than our resources and such competitors may be better able to withstand changes in market conditions. Our competitors may be able to respond more quickly than we can to new or emerging technologies and changes in customer requirements. Further, consolidation of our competitors or customers may result in reduced demand for our products or make it more difficult for us to compete with our competitors. The occurrence of any of these events could result in reduced earnings or operating losses.

### **Higher costs or limited availability of our raw materials may reduce our earnings and decrease our liquidity. In addition, many of our raw material contracts contain fixed quantities we are required to purchase.**

The number of sources for and availability of certain raw materials is specific to the particular geographical region in which a facility is located. For example, titanium-containing feedstocks suitable for use in our TiO<sub>2</sub> facilities are available from a limited number of suppliers around the world. Political and economic instability in the countries from which we purchase our raw material supplies could adversely affect their availability. If our worldwide vendors were unable to meet their contractual obligations and we were unable to obtain necessary raw materials, we could incur higher costs for raw materials or may be required to reduce production levels. We expect our feedstock ore costs will be significantly higher in 2012 as compared to 2011. In addition, we may also experience higher operating costs such as energy costs, which could affect our profitability. We may not always be able to increase our selling prices to offset the impact of any higher costs or reduced production levels, which could reduce our earnings and decrease our liquidity.



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We have long-term supply contracts that provide for our TiO<sub>2</sub> feedstock requirements that currently expire through 2016, most of which we may be able to renew. We may not be successful in renewing these contracts or in obtaining long-term extensions to these contracts prior to expiration. The agreements require us to purchase certain minimum quantities of feedstock with minimum purchase commitments aggregating approximately \$2.6 billion at December 31, 2011. In addition, we have other long-term supply and service contracts that provide for various raw materials and services. These agreements require us to purchase certain minimum quantities or services with minimum purchase commitments aggregating approximately \$87 million at December 31, 2011. Our commitments under these contracts could adversely affect our financial results if we significantly reduce our production and were unable to modify the contractual commitments.

### **Our leverage may impair our financial condition or limit our ability to operate our businesses.**

We currently have a significant amount of debt. As of December 31, 2011, our total consolidated debt was approximately \$365.1 million, which relates primarily to our senior secured notes. Our level of debt could have important consequences to our stockholders and creditors, including:

- making it more difficult for us to satisfy our obligations with respect to our liabilities;
- increasing our vulnerability to adverse general economic and industry conditions;
- requiring that a portion of our cash flows from operations be used for the payment of interest on our debt, which reduces our ability to use our cash flow to fund working capital, capital expenditures, dividends on our common stock, acquisitions or general corporate requirements;
- limiting the ability of our subsidiaries to pay dividends to us;
- limiting our ability to obtain additional financing to fund future working capital, capital expenditures, acquisitions or general corporate requirements;
- limiting our flexibility in planning for, or reacting to, changes in our business and the industry in which we operate; and
- placing us at a competitive disadvantage relative to other less leveraged competitors.

In addition to our indebtedness, we are party to various lease and other agreements pursuant to which, along with our indebtedness, we are committed to pay approximately \$819.9 million in 2012. Our ability to make payments on and refinance our debt and to fund planned capital expenditures depends on our future ability to generate cash flow. To some extent, this is subject to general economic, financial, competitive, legislative, regulatory and other factors that are beyond our control. In addition, our ability to borrow funds under our subsidiaries' credit facilities in the future will, in some instances, depend in part on these subsidiaries' ability to maintain specified financial ratios and satisfy certain financial covenants contained in the applicable credit agreement.

Our business may not generate cash flows from operating activities sufficient to enable us to pay our debts when they become due and to fund our other liquidity needs. As a result, we may need to refinance all or a portion

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of our debt before maturity. We may not be able to refinance any of our debt in a timely manner on favorable terms, if at all, in the current credit markets. Any inability to generate sufficient cash flows or to refinance our debt on favorable terms could have a material adverse effect on our financial condition.

### **Global climate change legislation could negatively impact our financial results or limit our ability to operate our businesses.**

We operate production facilities in several countries. In many of the countries in which we operate, legislation has been passed, or proposed legislation is being considered, to limit greenhouse gases through various means, including emissions permits and/or energy taxes. In several of our production facilities, we consume large amounts of energy, primarily electricity and natural gas. To date, the permit system in effect in the various countries in which we operate has not had a material adverse effect on our financial results. However, if further greenhouse gas legislation were to be enacted in one or more countries, it could negatively impact our future results from operations through increased costs of production, particularly as it relates to our energy requirements or our need to obtain emissions permits. If such increased costs of production were to materialize, we may be unable to pass price increases onto our customers to compensate for increased production costs, which may decrease our liquidity, operating income and results of operations.

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

None

### **ITEM 2. PROPERTIES**

Information on our properties is incorporated by reference to Item 1: Manufacturing, Operations and Properties above. Our corporate headquarters is located in Dallas, Texas. See Note 15 to our Consolidated Financial Statements for information on our leases.

### **ITEM 3. LEGAL PROCEEDINGS**

We are involved in various environmental, contractual, intellectual property, product liability and other claims and disputes incidental to our business. Information called for by this Item is incorporated by reference to Note 15 to our Consolidated Financial Statements.

### **ITEM 4. MINE SAFETY DISCLOSURES**

Not applicable

**PART II****ITEM 5. MARKET FOR COMMON EQUITY AND RELATED STOCKHOLDER MATTERS**

Our common stock is listed and traded on the New York Stock Exchange (symbol: KRO). As of February 29, 2012, there were approximately 2,800 holders of record of our common stock. The following table sets forth the high and low closing per share sales price for our common stock for the periods indicated according to Bloomberg and dividends paid during such periods. On February 29, 2012 the closing price of our common stock was \$23.37.

	<u>High</u>	<u>Low</u>	<u>Cash Dividends Paid</u>
<i>Year ended December 31, 2010</i>			
First Quarter	\$ 8.60	\$ 6.78	\$ —
Second Quarter	10.13	7.33	—
Third Quarter	19.92	9.08	—
Fourth Quarter	22.39	18.08	.125
<i>Year ended December 31, 2011</i>			
First Quarter	\$29.50	\$20.41	\$ .625
Second Quarter	31.47	24.76	.15
Third Quarter	33.92	16.08	.15
Fourth Quarter	23.16	15.13	.15
<i>January 1, 2012 through February 29, 2012</i>	\$24.58	\$18.77	—

Prior to 2009, we paid a regular quarterly dividend to stockholders of \$.125 per share. In February 2009, our board of directors decided to suspend our quarterly dividend after considering the challenges and uncertainties that existed in the TiO<sub>2</sub> industry at the time. In October 2010, our board of directors determined to resume our regular quarterly dividend. In determining to resume the dividend, the board considered our results of operations, financial condition, cash requirements for our business, the current long-term outlook for our business and other factors deemed relevant by the board. Cash dividends in the first quarter of 2011 include a \$.50 per share special dividend. The declaration and payment of future dividends is discretionary, and the amount, if any, will be dependent upon such factors. There are currently no restrictions on our ability to pay dividends. In February 2012, our board of directors declared the first quarter 2012 regular quarterly dividend of \$.15 per share, payable on March 22, 2012 to stockholders of record as of March 8, 2012.

In December 2010 our board of directors authorized the repurchase of up to 2.0 million shares of our common stock in open market transactions, including block purchases, or in privately-negotiated transactions at unspecified prices and over an unspecified period of time. To date, we have not made any repurchases under the plan and all 2.0 million shares are available for repurchase. See Note 13 to our Consolidated Financial Statements.

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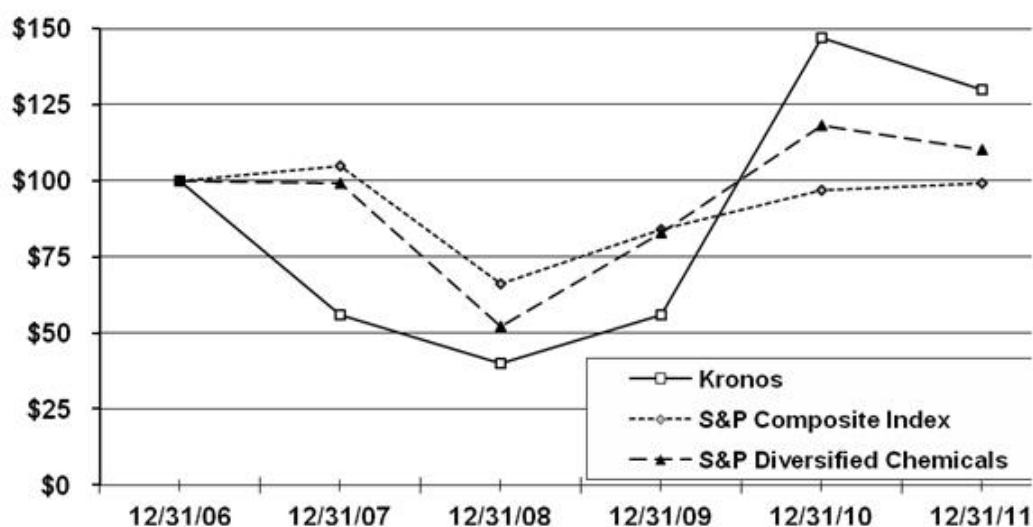
In November 2010, we completed a secondary public offering of 8.97 million shares of our common stock in an underwritten offering for net proceeds of \$337.6 million. See Note 13 to our Consolidated Financial Statements.

In May 2011, we amended our certificate of incorporation to increase the authorized number of shares of our common stock from 60 million to 240 million. Also in May 2011, we implemented a 2-for-1 split of our common stock effected in the form of a stock dividend. Other than the disclosure of the authorized number of shares of our common stock discussed in the preceding sentence, we have adjusted all share and per-share disclosures for all periods presented in our condensed consolidated financial statements, and the high and low stock prices and quarterly dividends in the table above, to give effect to the stock split.

**Performance graph**

Set forth below is a table and line graph comparing the yearly change in our cumulative total stockholder return on our common stock against the cumulative total return of the S&P Composite 500 Stock Index and the S&P 500 Diversified Chemicals Index. The graph shows the value at December 31 of each year, assuming an original investment of \$100 at December 31, 2006 and reinvestment of cash dividends and other distributions to stockholders.

	2006	2007	2008	2009	2010	2011
Kronos common stock	\$100	\$ 56	\$40	\$56	\$147	\$130
S&P 500 Composite Stock Index	100	105	66	84	97	99
S&P 500 Diversified Chemicals Index	100	99	52	83	118	110



The information contained in the performance graph shall not be deemed “soliciting material” or “filed” with the SEC, or subject to the liabilities of Section 18 of the Securities Exchange Act, except to the extent we specifically request that the material be treated as soliciting material or specifically incorporate this performance graph by reference into a document filed under the Securities Act or the Securities Exchange Act.

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**Equity compensation plan information**

We have an equity compensation plan, which was approved by our stockholders, which provides for the discretionary grant to our employees and directors of, among other things, options to purchase our common stock and stock awards. As of December 31, 2011 there were no options outstanding to purchase shares of our common stock and approximately 115,500 shares were available for future grant or issuance.

In February 2012, our board of directors voted to replace the existing long-term incentive plan with a new plan pursuant to which an aggregate of 200,000 shares of our common stock can be awarded to members of our board of directors. The new plan is subject to shareholders' approval at our May 2012 shareholder meeting. See Note 13 to our Consolidated Financial Statements.

**ITEM 6. SELECTED FINANCIAL DATA**

The following selected financial data should be read in conjunction with our Consolidated Financial Statements and Item 7—“*Management’s Discussion and Analysis of Financial Condition and Results of Operations.*”

	Years ended December 31,				
	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
	(In millions, except per share data and TiO <sub>2</sub> operating statistics)				
<b>STATEMENTS OF OPERATIONS DATA:</b>					
Net sales	\$1,310.3	\$1,316.9	\$1,142.0	\$1,449.7	<b>\$1,943.3</b>
Gross margin	251.4	220.6	130.3	345.3	<b>748.4</b>
Income (loss) from operations	84.9	47.2	(15.7)	178.4	<b>546.5</b>
Net income (loss)	(66.7)	9.0	(34.7)	130.6	<b>321.0</b>
Net income (loss) per share (1), (2)	(.68)	.09	(.35)	1.29	<b>2.77</b>
Cash dividends per share (2)	.50	.50	—	.125	<b>1.075</b>
<b>BALANCE SHEET DATA (at year end):</b>					
Total assets	\$1,455.0	\$1,358.7	\$1,325.0	\$1,707.6	<b>\$1,823.9</b>
Notes payable and long-term debt including current maturities	606.2	638.5	613.2	539.6	<b>365.1</b>
Common stockholders' equity (1)	411.0	317.9	312.5	761.2	<b>924.3</b>
<b>STATEMENTS OF CASH FLOW DATA:</b>					
Net cash provided by (used in):					
Operating activities	\$ 90.0	\$ 2.7	\$ 86.3	\$ 126.0	<b>\$ 295.6</b>
Investing activities	(47.4)	(68.1)	(23.7)	(145.8)	<b>(218.1)</b>
Financing activities (1)	(39.8)	10.3	(49.8)	295.1	<b>(299.6)</b>
<b>TiO<sub>2</sub> OPERATING STATISTICS:</b>					
Sales volume (3)	519	478	445	528	<b>503</b>
Production volume (3)	512	514	402	524	<b>550</b>
Production capacity at beginning of year (3)	525	532	532	532	<b>532</b>
Production rate as a percentage of capacity	98%	97%	76%	99%	<b>103%</b>

(1) In November, 2010, we completed a secondary public offering of 8.97 million shares of our common stock in an underwritten offering for net proceeds of \$337.6 million. Net income per share for 2010 reflects the impact of the issuance of the 8.97 million shares of common stock in November 2010. See Note 13 to our Consolidated Financial Statements.

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- (2) In May 2011, we implemented a 2-for-1 stock split of our common stock effected in the form of a stock dividend. All per share disclosures above reflect this stock split. Cash dividends in 2011 include a \$.50 per share special dividend paid to stockholders in the first quarter of 2011. See Note 13 to our Consolidated Financial Statements.
- (3) Metric tons in thousands

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

### **RESULTS OF OPERATIONS**

#### **Business overview**

We are a leading global producer and marketer of value-added TiO<sub>2</sub>. TiO<sub>2</sub> is used for a variety of manufacturing applications, including plastics, paints, paper and other industrial products. During 2011, approximately one-half of our sales volumes were sold into European markets. We believe we are the largest producer of TiO<sub>2</sub> in Europe with an estimated 19% share of European TiO<sub>2</sub> sales volumes in 2011. In addition, we estimate we have a 17% share of North American TiO<sub>2</sub> sales volumes in 2011. Our production facilities are located throughout Europe and North America.

We consider TiO<sub>2</sub> to be a "quality of life" product, with demand affected by gross domestic product, or GDP, and overall economic conditions in our markets located in various regions of the world. Over the long-term, we expect demand for TiO<sub>2</sub> will grow by 2% to 3% per year, consistent with our expectations for the long-term growth in GDP. However, even if we and our competitors maintain consistent shares of the worldwide market, demand for TiO<sub>2</sub> in any interim or annual period may not change in the same proportion as the change in GDP, in part due to relative changes in the TiO<sub>2</sub> inventory levels of our customers. We believe that our customers' inventory levels are influenced in part by their expectation for future changes in market TiO<sub>2</sub> selling prices as well as their expectation for future availability of product. Although certain of our TiO<sub>2</sub> grades are considered specialty pigments, the majority of our grades and substantially all of our production are considered commodity pigment products with price and availability being the most significant competitive factors along with quality and customer service.

The factors having the most impact on our reported operating results are:

- Our TiO<sub>2</sub> sales and production volumes,
- TiO<sub>2</sub> selling prices,
- Currency exchange rates (particularly the exchange rate for the U.S. dollar relative to the euro, the Norwegian krone and the Canadian dollar) and
- Manufacturing costs, particularly raw materials, maintenance and energy-related expenses.

Our key performance indicators are our TiO<sub>2</sub> average selling prices and our level of TiO<sub>2</sub> sales and production volumes. TiO<sub>2</sub> selling prices generally follow industry trends and prices will increase or decrease generally as a result of competitive market pressures.

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In addition, our effective income tax rate in each of 2009, 2010 and 2011 has been impacted by certain favorable and unfavorable developments discussed below.

### **Executive Summary**

We reported net income of \$321.0 million, or \$2.77 per share for 2011, compared to net income of \$130.6 million, or \$1.29 per share for 2010. Our earnings per share increased from 2010 to 2011 primarily due to the net effects of (i) higher income from operations in 2011 resulting principally from higher average selling prices and higher production volumes in 2011, and (ii) a non-cash deferred income tax benefit recognized in the first quarter of 2010.

We reported net income of \$130.6 million, or \$1.29 per share in 2010, compared to a net loss of \$34.7 million, or \$.35 per share in 2009. Our earnings per share increased from 2009 to 2010 primarily due to (i) higher income from operations in 2010 resulting principally from higher sales and production volumes and higher selling prices, and (ii) a non-cash deferred income tax benefit recognized in the first quarter of 2010.

Net income in 2011 includes an income tax provision of \$17.2 million for U.S. incremental income taxes (\$.15 per share) on current earnings repatriated from our German subsidiary, which earnings were used to fund a portion of the redemption and repurchases of our Senior Secured Notes.

Net income in 2010 includes a \$35.2 million first quarter non-cash income tax benefit (\$.36 per share) related to a European Court ruling that resulted in the favorable resolution of certain income tax issues in Germany and an increase in the amount of our German corporate and trade tax net operating loss carryforwards.

Net income in 2009 includes a \$4.7 million non-cash income tax benefit (\$.05 per share) related to a net decrease in our reserve for uncertain tax positions.

In May 2011, we implemented a 2-for-1 split of our common stock effected in the form of a stock dividend. All per share amounts disclosed herein have been adjusted to reflect the stock split.

### **Critical accounting policies and estimates**

The accompanying “Management’s Discussion and Analysis of Financial Condition and Results of Operations” is based upon our Consolidated Financial Statements, which we have prepared in accordance with accounting principles generally accepted in the United States of America, or GAAP. The preparation of these financial statements requires us to make estimates and judgments that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amount of revenues and expenses during the reported period. On an ongoing basis we evaluate our estimates, including those related to the recoverability of long-lived assets, pension and other postretirement benefit obligations and the underlying actuarial assumptions related thereto, the realization of deferred income tax assets and accruals for litigation, income tax and other contingencies. We base our estimates on historical experience and on various other assumptions which we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the reported amounts of assets, liabilities, revenues and expenses. Actual results may differ significantly from previously-estimated amounts under different assumptions or conditions.

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The following critical accounting policies affect our more significant judgments and estimates used in the preparation of our Consolidated Financial Statements:

- *Long-lived assets*—We recognize an impairment charge associated with our long-lived assets, including property and equipment, whenever we determine that recovery of such long-lived asset is not probable. Such determination is made in accordance with the applicable GAAP requirements of Accounting Standard Codification, or ASC, Topic 360-10-35 *Property, Plant and Equipment* and is based upon, among other things, estimates of the amount of future net cash flows to be generated by the long-lived asset and estimates of the current fair value of the asset. Significant judgment is required in estimating such cash flows. Adverse changes in such estimates of future net cash flows or estimates of fair value could result in an inability to recover the carrying value of the long-lived asset, thereby possibly requiring an impairment charge to be recognized in the future. We do not assess our property and equipment for impairment unless certain impairment indicators specified in ASC Topic 360-10-35 are present. We did not evaluate any long-lived assets for impairment during 2011 because no such impairment indicators were present.
- *Benefit Plans*—We maintain various defined benefit pension plans and postretirement benefits other than pensions, or OPEB, plans. The amounts recognized as defined benefit pension and OPEB expenses and the reported amounts of pension asset and accrued pension and OPEB costs are actuarially determined based on several assumptions, including discount rates, expected rates of returns on plan assets and expected health care trend rates. Variances from these actuarially assumed rates will result in increases or decreases, as applicable, in the recognized pension and OPEB obligations, pension and OPEB expenses and funding requirements. These assumptions are more fully described below under “Defined Benefit Pension Plans” and “OPEB Plans.”
- *Income taxes*—We recognize deferred taxes for future tax effects of temporary differences between financial and income tax reporting. We record a valuation allowance to reduce our deferred income tax assets to the amount that is believed to be realized under the more-likely-than-not recognition criteria. While we have considered future taxable income and ongoing prudent and feasible tax planning strategies in assessing the need for a valuation allowance, it is possible that we may change our estimate of the amount of the deferred income tax assets that would more-likely-than-not be realized in the future, resulting in an adjustment to the deferred income tax asset valuation allowance that would either increase or decrease, as applicable, reported net income in the period such change in estimate was made. For example, we have substantial net operating loss carryforwards in Germany (the equivalent of \$799 million for German corporate purposes and \$188 million for German trade tax purposes at December 31, 2011). At December 31, 2011, we have concluded that no deferred income tax asset valuation allowance is required to be recognized with respect to such carryforwards, principally because (i) such carryforwards have an indefinite carryforward period, (ii) we have utilized a portion of such carryforwards during the most recent three-year period and (iii) we currently expect to utilize the remainder of such carryforwards over the



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long term. However, prior to the complete utilization of such carryforwards, if we were to generate losses in our German operations for an extended period of time, it is possible that we might conclude the benefit of such carryforwards would no longer meet the more-likely-than-not recognition criteria, at which point we would be required to recognize a valuation allowance against some or all of the then-remaining tax benefit associated with the carryforwards.

We record a reserve for uncertain tax positions where we believe it is more-likely-than-not our tax positions will not prevail with the applicable tax authorities. It is possible that in the future we may change our assessment regarding the probability that our tax positions will prevail that would require an adjustment to the amount of our reserve for uncertain tax positions that could either increase or decrease, as applicable, reported net income in the period the change in assessment was made.

In addition, we evaluate at the end of each reporting period as to whether or not some or all of the undistributed earnings of our non-U.S. subsidiaries are permanently reinvested (as that term is defined in GAAP). While we may have concluded in the past that some of such undistributed earnings are permanently reinvested, facts and circumstances can change in the future and it is possible that a change in facts and circumstances, such as a change in the expectation regarding the capital needs of our non-U.S. subsidiaries, could result in a conclusion that some or all of such undistributed earnings are no longer permanently reinvested. In such an event, we would be required to recognize a deferred income tax liability in an amount equal to the estimated incremental U.S. income tax and withholding tax liability that would be generated if all of such previously-considered permanently reinvested undistributed earnings were to be distributed to the U.S.

- *Contingencies*—We record accruals for legal and other contingencies when estimated future expenditures associated with such contingencies and commitments become probable and the amounts can be reasonably estimated. However, new information may become available or circumstances (such as applicable laws and regulations) may change, thereby resulting in an increase or decrease in the amount required to be accrued for such matters (and therefore a decrease or increase in reported net income in the period of such change).

Income from operations is impacted by certain of these significant judgments and estimates, such as allowance for doubtful accounts, reserves for obsolete or unmarketable inventories, impairment of equity method investments and long-lived assets, defined benefit pension plans and loss accruals. In addition, net income is impacted by the significant judgments and estimates for deferred income tax asset valuation allowances and loss accruals.

**Comparison of 2011 to 2010 Results of Operations**

	Year ended December 31,			
	2010	100 %	2011	100 %
(Dollars in millions)				
Net sales	\$1,449.7		\$1,943.3	
Cost of sales	1,104.4	76	1,194.9	61
Gross margin	345.3	24	748.4	39
Other operating income and expenses, net	166.9	12	201.9	11
Income from operations	<u>\$ 178.4</u>	<u>12%</u>	<u>\$ 546.5</u>	<u>28%</u>
				%
				<u>Change</u>
TiO <sub>2</sub> operating statistics:				
Sales volumes*	528		503	(5)%
Production volumes*	524		550	5%
Percentage change in net sales:				
TiO <sub>2</sub> product pricing				40%
TiO <sub>2</sub> sales volumes				(5)
TiO <sub>2</sub> product mix				(6)
Changes in currency exchange rates				5
Total				<u>34%</u>

\* Thousands of metric tons

*Industry conditions and 2011 overview* – In 2011 our production facilities operated at full capacity rates and we increased TiO<sub>2</sub> selling prices throughout 2010 and 2011, resulting in increased profitability and cash flows. Global customer demand for our TiO<sub>2</sub> products also remained strong in 2011. Nevertheless, we experienced a softening of demand in the fourth quarter as a result of customer destocking, and our sales volumes in 2011 were lower as compared to 2010, with most of the lower volumes occurring in the fourth quarter. We anticipate that customer demand will rebound from the softness experienced in the fourth quarter, and that we will be able to implement further TiO<sub>2</sub> selling price increases.

We experienced increased costs for our raw materials such as ore and petroleum coke in 2011. We expect further increases in raw material costs in 2012.

Overall, based on positive market dynamics in the TiO<sub>2</sub> industry, we expect our profitability and cash flows to increase in 2012 and the foreseeable future.

*Net sales*—Net sales increased 34% or \$493.6 million in 2011 compared to 2010, primarily due to a 40% increase in average TiO<sub>2</sub> selling prices. TiO<sub>2</sub> selling prices will increase or decrease generally as a result of competitive market pressures, changes in the relative level of supply and demand as well as changes in raw material and other manufacturing costs. Based on current conditions in the TiO<sub>2</sub> industry, as well as the expectation for increases in our manufacturing costs discussed below, we currently expect average selling prices in 2012 to be higher than in 2011.

While the amount of inventory available for shipment in 2011 increased due to higher production volumes during the year, our sales volumes were 5% lower than in 2010 as a result of soft demand in the fourth quarter of 2011 due to customer destocking.

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In addition to the factors discussed above, we estimate the favorable effect of changes in currency exchange rates increased our net sales by approximately \$70 million, or 5%, as compared to 2010, while relative changes in mix of the various grades of our products sold decreased our net sales by approximately \$87 million, or 6%.

*Cost of sales*—Cost of sales increased \$90.5 million or 8% in 2011 compared to 2010 due to the net impact of a 5% increase in TiO<sub>2</sub> production volumes, higher raw material costs of \$75.1 million (primarily feedstock ore and petroleum coke), an increase in maintenance costs of \$15.0 million (consistent with the increase in production volumes) and currency fluctuations (primarily the euro). Overall, our per metric ton cost of TiO<sub>2</sub> we produced increased approximately 10% as compared to 2010. Cost of sales as a percentage of net sales decreased to 61% in 2011 compared to 76% in 2010 primarily due to the effects of higher selling prices and the benefit of higher production volumes in 2011. Our TiO<sub>2</sub> production volumes in 2011 established a new record for us for an annual production period. We currently expect our feedstock ore and our other raw material costs to increase in 2012, including significant increases in our feedstock ore costs.

*Income from operations*—Income from operations increased by \$368.1 million from \$178.4 million in 2010 to \$546.5 million in 2011. Income from operations as a percentage of net sales increased to 28% in 2011 from 12% in 2010. This increase is driven by the improvement in gross margin, which increased to 39% in 2011 compared to 24% in 2010. Our gross margin increased primarily because of the effect of higher selling prices which more than offset the impact of higher manufacturing costs (primarily raw materials and maintenance). Changes in currency exchange rates had a minimal effect on our income from operations in 2011 as compared to 2010.

As a percentage of net sales, selling, general and administrative expenses were relatively consistent at approximately 10% and 12% for 2011 and 2010 respectively.

*Other non-operating income (expense)*—In March 2011, we redeemed €80 million principal amount of our 6.5% Senior Secured Notes. In the third and fourth quarters of 2011, we repurchased in open market transactions an aggregate €40.8 million principal amount of our 6.5% Notes. We recognized a net \$3.1 million pre-tax interest charge related to the redemption and open market purchases of the 6.5% Notes, consisting of the call premium, the write-off of unamortized deferred financing costs and original issue discount associated with the redeemed and purchased Notes.

Interest expense decreased \$6.1 million from \$38.8 million in 2010 to \$32.7 million in 2011 due to the net effects of the prepayment and open market purchases of a portion of the 6.5% Senior Secured Notes as discussed above, and changes in currency exchange rates. The interest expense we recognize will vary with fluctuations in the euro exchange rate.

*Income tax provision*—Our income tax provision was \$196.1 million in 2011 compared to \$9.7 million in 2010. This increase is primarily due to our increased earnings. See Note 10 to our Consolidated Financial Statements for a tabular reconciliation of our statutory income tax provision to our actual tax provision. Some of the more significant items impacting this reconciliation are summarized below.

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- Our income tax provision in 2011 includes \$17.2 million for U.S. incremental income taxes on current earnings repatriated from our German subsidiary, which earnings were used to fund a portion of the redemption and repurchases of our Senior Secured Notes.
- Our income tax provision in 2010 includes a \$35.2 million non-cash income tax benefit related to a European Court ruling that resulted in the favorable resolution of certain income tax issues in Germany and an increase in the amount of our German corporate and trade tax net operating loss carryforwards.

### Comparison of 2010 to 2009 Results of Operations

	Year ended December 31,			
	2009	(Dollars in millions)		2010
Net sales	\$1,142.0	100%	\$1,449.7	100 %
Cost of sales	1,011.7	89	1,104.4	76
Gross margin	130.3	11	345.3	24
Other operating income and expenses, net	146.0	13	166.9	12
Income (loss) from operations	\$ (15.7)	(2)%	\$ 178.4	12%
				% Change
TiO <sub>2</sub> operating statistics:				
Sales volumes*	445		528	19%
Production volumes*	402		524	30%
Percent change in net sales:				
TiO <sub>2</sub> product pricing				11%
TiO <sub>2</sub> sales volumes				19
TiO <sub>2</sub> product mix				—
Changes in currency exchange rates				(3)
Total				27%

\* Thousands of metric tons

*Net sales*—Our net sales increased 27% or \$307.7 million in 2010 compared to 2009, primarily due to a 19% increase in sales volumes and an 11% increase in average selling prices. In addition, we estimate the unfavorable effect of changes in currency exchange rates decreased our net sales by approximately \$36 million, or 3%, as compared to the same period in 2009. Record sales volumes in 2010 increased 19% as compared to 2009 due to higher demand across all market segments resulting from the improvement in current economic conditions.

*Cost of sales*—Cost of sales increased \$92.7 million or 9% in 2010 compared to 2009 due to the net impact of a 30% increase in TiO<sub>2</sub> production volumes to 524,000 metric tons, a 19% increase in sales volumes, an increase in maintenance costs of \$25.2 million, and higher raw material costs of \$4.5 million. In addition, cost of sales for 2010 was negatively impacted by approximately \$15 million as a result of higher production costs in 2010 at our ilmenite mines in Norway. Cost of sales as a percentage of net sales

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decreased to 76% in 2010 compared to 89% in 2009 primarily due to higher selling prices in 2010 and the significantly higher production volumes in 2010, as we implemented temporary plant curtailments during the first half of 2009 in order to reduce our finished goods inventories to an appropriate level. Such temporary plant curtailments resulted in approximately \$80 million of unabsorbed fixed production costs which were charged directly to cost of sales in the first six months of 2009.

*Income (loss) from operations*—Income (loss) from operations increased by \$194.1 million from an operating loss of \$15.7 million in 2009 to operating income of \$178.4 million in 2010. Income (loss) from operations as a percentage of net sales increased to 12% in 2010 from (2)% in 2009. This increase is driven by the improvement in gross margin, which increased to 24% for 2010 compared to 11% for 2009. Our gross margin increased primarily because of higher sales volumes, higher selling prices and lower manufacturing costs per ton resulting from higher production volumes. However, changes in currency exchange rates negatively affected our gross margin and income (loss) from operations. We estimate that changes in currency exchange rates decreased income (loss) from operations by approximately \$27 million in 2010 as compared to 2009.

As a percentage of net sales, selling, general and administrative expenses were relatively consistent at approximately 12% and 13% for 2010 and 2009 respectively.

*Interest expense*—Interest expense decreased \$2.6 million from \$41.4 million in 2009 to \$38.8 million in 2010 due to decreased average borrowings under our revolving credit facilities. The interest expense we recognize will vary with fluctuations in the euro exchange rate.

*Income tax provision (benefit)*—Our income tax provision was \$9.7 million in 2010 compared to an income tax benefit of \$22.2 million in 2009. See Note 10 to our Consolidated Financial Statements for a tabular reconciliation of our statutory income tax provision to our actual tax provision. Some of the more significant items impacting this reconciliation are summarized below.

- Our income tax provision in 2010 includes a \$35.2 million non-cash income tax benefit related to a European Court ruling that resulted in the favorable resolution of certain income tax issues in Germany and an increase in the amount of our German corporate and trade tax net operating loss carryforwards.
- Our income tax benefit for 2009 includes a non-cash benefit of \$4.7 million related to a net decrease in our reserve for uncertain tax positions, primarily as a result of the resolution of tax audits in Belgium and Germany in the third and fourth quarters.

### **Effects of Currency Exchange Rates**

We have substantial operations and assets located outside the United States (primarily in Germany, Belgium, Norway and Canada). The majority of our sales from non-U.S. operations are denominated in currencies other than the U.S. dollar, principally the euro, other major European currencies and the Canadian dollar. A portion of our sales generated from our non-U.S. operations is denominated in the U.S. dollar. Certain raw materials used worldwide, primarily titanium-containing feedstocks, are purchased in U.S. dollars, while labor and other production costs are purchased primarily in local currencies.

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Consequently, the translated U.S. dollar value of our non-U.S. sales and operating results are subject to currency exchange rate fluctuations which may favorably or unfavorably impact reported earnings and may affect the comparability of period-to-period operating results. In addition to the impact of the translation of sales and expenses over time, our non-U.S. operations also generate currency transaction gains and losses which primarily relate to the difference between the currency exchange rates in effect when non-local currency sales or operating costs are initially accrued and when such amounts are settled with the non-local currency.

Overall, we estimate that fluctuations in currency exchange rates had the following effects on our sales and income (loss) from operations for the periods indicated.

	Impact of changes in currency exchange rates—2011 vs. 2010				Total currency impact 2010 vs. 2011
	Transaction gains/(losses) recognized			Translation gain/(loss)- impact of rate changes	
	2010	2011	Change		
	(in millions)				
<b>Impact on:</b>					
Net sales	\$ —	\$ —	\$ —	\$ 70	\$ 70
Income from operations	8	3	(5)	5	—

	Impact of changes in currency exchange rates—2010 vs. 2009				Total currency impact 2010 vs. 2009
	Transaction gains/(losses) recognized			Translation gain/(loss)- impact of rate changes	
	2009	2010	Change		
	(in millions)				
<b>Impact on:</b>					
Net sales	\$ —	\$ —	\$ —	\$ (36)	\$ (36)
Income (loss) from operations	10	8	(2)	(25)	(27)

The impact on income from operations in 2011 versus 2010 was minimal. The negative impact on income (loss) from operations in 2010 versus 2009 is due to increased currency transaction losses in 2010 as compared to 2009 which were a function of the timing of currency exchange rate changes and the settlement of non-local currency receivables and payables.

## Outlook

We operated our production facilities at full practical capacity levels during 2011 and our production volumes in 2011 set a new record for us for the second year in a row. While we will continue to work on debottlenecking projects in order to increase our production capacity, we believe such debottlenecking projects will produce relatively nominal increases in our capacity. Given the exceptional level of production achieved in 2011, we currently expect to operate our facilities in 2012 at production levels consistent with or slightly lower than 2011.

The overall strong global demand for TiO<sub>2</sub> we experienced in 2011 is expected to continue in 2012. As a result, we expect that we will be able to sell the TiO<sub>2</sub> we produce in 2012 as well as portions of our finished goods inventory on hand at the end of 2011. Consequently, we expect our sales volumes to increase in 2012 as compared to 2011.

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We implemented significant increases in TiO<sub>2</sub> selling prices throughout 2011. Our average TiO<sub>2</sub> selling prices were 40% higher in 2011 as compared to 2010, and our average prices at the end of 2011 were 11% higher than at the end of the third quarter of 2011 and 47% higher than at the end of 2010. Based on the expected continuation of strong demand levels and increases in our manufacturing costs discussed below, we anticipate our average selling prices will continue to increase throughout 2012, including increases to offset the impact of our expected higher manufacturing costs.

Throughout 2011 we have seen significantly higher feedstock ore costs driven by tight ore supplies and higher-than-historical increases in petroleum coke and energy costs. We currently expect this trend to continue in 2012, with continued higher-than-historical increases in feedstock ore, petroleum coke, energy and freight costs. Overall, we currently expect the per metric ton cost of TiO<sub>2</sub> we produce will increase approximately 50% to 60% in 2012 as compared to 2011 primarily due to higher feedstock ore costs. Our cost of sales per metric ton of TiO<sub>2</sub> sold in 2012 is consequently expected to be significantly higher as compared to 2011, but only after we have sold the TiO<sub>2</sub> products on hand at the end of 2011, the cost of which is significantly lower than our expected 2012 production costs. Given the current conditions in the TiO<sub>2</sub> industry, if our costs of production exceed our current expectations in 2012 and demand for TiO<sub>2</sub> remains strong, we believe we could recoup such higher costs through additional selling price increases.

Overall, we expect income from operations will be higher in 2012 as compared to 2011, as the favorable effect of higher selling prices and sales volumes will more than offset the impact of higher production costs.

Our expectations as to the future of the TiO<sub>2</sub> industry are based upon a number of factors beyond our control, including worldwide growth of gross domestic product, competition in the marketplace, continued operation of competitors, unexpected or earlier-than-expected capacity additions or reductions and technological advances. If actual developments differ from our expectations, our results of operations could be unfavorably affected.

## **LIQUIDITY AND CAPITAL RESOURCES**

### **Consolidated cash flows**

#### *Operating activities*

Trends in cash flows as a result of our operating activities (excluding the impact of significant asset dispositions and relative changes in assets and liabilities) are generally similar to trends in our earnings.

Cash flows from operating activities provided \$295.6 million in 2011 compared to \$126.0 million in 2010. This \$169.6 million increase was primarily due to the net effects of the following items:

- higher income from operations in 2011 of \$368.1 million,
- higher net cash used by increases in our inventories, receivables, payables and accruals of \$117.4 million in 2011, primarily due to relative changes in our inventory level, as discussed below,

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- higher cash paid for income taxes in 2011 of \$80.7 million resulting from our increased profitability,
- higher net distributions from our TiO<sub>2</sub> joint venture in 2011 of \$1.4 million due to related changes in their cash requirements and
- lower cash paid for interest in 2011 of \$3.5 million, primarily due to lower average borrowings in 2011 partially offset by the \$2.5 million call premium associated with the redemption of €80 million of our 6.5% Senior Secured Notes.

Cash flows from operating activities provided \$126.0 million in 2010 compared to \$86.3 million in 2009. This \$39.7 million increase was primarily due to the net effects of the following items:

- higher income (loss) from operations in 2010 of \$194.1 million,
- higher cash paid for income taxes in 2010 of \$21.3 million resulting from our increased profitability,
- lower cash paid for interest in 2010 of \$3.1 due to lower average borrowings in 2010,
- higher net cash used by related changes in our inventories, receivables, payables and accruals of \$145.7 million in 2010 and
- lower net distribution from our TiO<sub>2</sub> venture in 2010 of \$5.3 million due to related changes in their cash requirements.

Changes in working capital are affected by accounts receivable and inventory changes. As shown below:

- Our average days sales outstanding has been consistent over the past three years as a result of consistent timing of collections on receivable balances and
- Our average days sales in inventory increased at December 31, 2011 compared to December 31, 2010, as our TiO<sub>2</sub> production volumes in 2011 exceeded our sales volumes by approximately 47,000 metric tons due to the exceptional level of our production volumes in 2011 and soft demand in the fourth quarter of 2011.

For comparative purposes, we have provided prior year numbers below.

	<u>December 31, 2009</u>	<u>December 31, 2010</u>	<u>December 31, 2011</u>
Days sales outstanding	56 days	55 days	55 days
Days sales in inventory	58 days	52 days	104 days

### ***Investing activities***

Our capital expenditures were \$23.7 million in 2009, \$37.7 million in 2010 and \$68.6 million in 2011. Capital expenditures are primarily incurred to maintain and improve the cost effectiveness of our manufacturing facilities. Our capital expenditures during the past three years include an aggregate of approximately \$53.3 million (\$30.2 million in 2011) for our ongoing environmental protection and compliance programs.

During 2011, we:

- loaned a net \$74.2 million under our unsecured revolving demand promissory note with Valhi,



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- purchased net \$21.8 million in mutual fund marketable securities and
- purchased \$43.2 million in marketable equity securities of related parties, including \$3.6 million of purchases in late 2010 which settled in early 2011.

During 2010, we:

- loaned a net \$61.9 million under our revolving demand promissory note with Valhi, and
- purchased an aggregate of \$46.0 million in marketable equity securities of related parties, including \$3.6 million of purchases in late 2010 which settled in early 2011.

Our marketable securities are discussed in Note 6 to our Consolidated Financial Statements. All principal on our loan to Valhi, as amended, is due on demand, but in any event no earlier than December 31, 2013. Our loan to Valhi is further discussed in Note 14. It is likely we will loan additional amounts to Valhi during 2012.

### ***Financing activities***

During 2011, we:

- redeemed €80 million principal amount of our €400 million 6.5% Senior Secured Notes at 102.17% of the face value for an aggregate of \$115.7 million, including a \$2.5 million call premium in March 2011,
- borrowed €80 million (\$113.3 million when borrowed) under our European credit facility in order to fund the €80 million redemption of our Senior Secured Notes and subsequently repaid €80 million (\$115.0 million when repaid),
- repurchased €40.8 million principal amount of our 6.5% Senior Secured Notes in open market transactions for an aggregate of €40.6 million (\$57.6 million when repurchased), and
- paid quarterly dividends to stockholders aggregating \$.575 per share (\$.125 per share in the first quarter and \$.15 per share in each of the second, third and fourth quarters), or an aggregate of \$66.7 million, and paid a special dividend to stockholders of \$.50 per share, or an aggregate of \$57.9 million, in the first quarter.

During 2010, we:

- sold 17.94 million shares of our common stock in a secondary underwritten public offering for net proceeds of \$337.6 million,
- repaid \$16.7 million under our U.S. credit facility, and
- repaid net €9 million (\$8.5 million when borrowed/repaid) under our European credit facility.

During 2009, we:

- borrowed a net of \$3.0 million under our U.S. credit facility;
- borrowed and repaid \$31.5 million under our European credit facility; and
- made net payments of \$19.2 million on our credit facility with our affiliate NL.

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In February 2012, our board of directors declared a first quarter 2012 regular quarterly dividend of \$.15 per share, payable on March 22, 2012 to stockholders of record as of March 8, 2012.

### **Outstanding debt obligations and borrowing availability**

At December 31, 2011, our consolidated debt comprised:

- €279.2 million principal amount of our 6.5% Senior Secured Notes (\$360.6 million) due in April 2013 and
- approximately \$4.5 million of other indebtedness.

Certain of our credit agreements contain provisions which could result in the acceleration of indebtedness prior to their stated maturity for reasons other than defaults for failure to comply with applicable covenants. For example, certain credit agreements allow the lender to accelerate the maturity of the indebtedness upon a change of control (as defined in the agreement) of the borrower. In addition, certain credit agreements could result in the acceleration of all or a portion of the indebtedness following a sale of assets outside the ordinary course of business. We are in compliance with all of our debt covenants at December 31, 2011. See Note 9 to our Consolidated Financial Statements.

With respect to the €279.2 million principal amount outstanding at December 31, 2011 of our Senior Secured Notes due in April 2013, as noted above we redeemed €80 million principal amount and repurchased in open market transactions €40.8 million principal amount of such Notes during 2011. We may redeem or repurchase additional Senior Secured Notes prior to their maturity date, and we expect any amounts remaining after such possible redemption or repurchase would be refinanced before their maturity date.

In addition to the outstanding indebtedness indicated above, at December 31, 2011 we have our €80 million European Credit Facility, for which no amounts were outstanding and the equivalent of \$103.5 million was available for borrowing by our European subsidiaries.

In December 2011, our Canadian subsidiary entered into a Cdn. \$10.0 million loan agreement with the Bank of Montreal for the limited purpose of issuing letters of credit. The facility renews annually. Letters of credit are collateralized by restricted deposits at the Bank of Montreal (\$5.1 million at December 31, 2011). The facility contains certain restrictive covenants which, among other things, restrict the subsidiary from incurring additional indebtedness in excess of Cdn. \$20 million. At December 31, 2011, an aggregate of Cdn. \$5.2 million letters of credit were outstanding under this facility. In February 2012, an additional letter of credit was issued under this facility for Cdn. \$2.1 million.

Our assets consist primarily of investments in operating subsidiaries, and our ability to service parent level obligations, including the Senior Secured Notes, depends in large part upon the distribution of earnings of our subsidiaries, whether in the form of dividends, advances or payments on account of intercompany obligations or otherwise. None of our subsidiaries have guaranteed the Senior Secured Notes, although KII has pledged 65% of the common stock or other ownership interests of certain of KII's first-tier operating subsidiaries as collateral for the Senior Secured Notes. The terms of the indenture governing the Senior Secured Notes limits KII's ability to pay dividends and make other restricted payments. At December 31, 2011, the maximum amount of dividends and other restricted payments that KII could make (the "Restricted Payment Basket") was approximately \$256.6 million.

## **Liquidity**

Our primary source of liquidity on an ongoing basis is cash flows from operating activities which is generally used to (i) fund working capital expenditures, (ii) repay any short-term indebtedness incurred for working capital purposes and (iii) provide for the payment of dividends. From time-to-time we will incur indebtedness, generally to (i) fund short-term working capital needs, (ii) refinance existing indebtedness or (iii) fund major capital expenditures or the acquisition of other assets outside the ordinary course of business. We will also from time-to-time sell assets outside the ordinary course of business and use the proceeds to (i) repay existing indebtedness, (ii) make investments in marketable and other securities, (iii) fund major capital expenditures or the acquisition of other assets outside the ordinary course of business or (iv) pay dividends.

Pricing within the TiO<sub>2</sub> industry is cyclical and changes in industry economic conditions significantly impact earnings and operating cash flows. Changes in TiO<sub>2</sub> pricing, production volumes and customer demand, among other things, could significantly affect our liquidity.

We routinely evaluate our liquidity requirements, alternative uses of capital, capital needs and availability of resources in view of, among other things, our dividend policy, our debt service, our capital expenditure requirements and estimated future operating cash flows. As a result of this process, we have in the past and may in the future seek to reduce, refinance, repurchase or restructure indebtedness, raise additional capital, repurchase shares of our common stock, modify our dividend policy, restructure ownership interests, sell interests in our subsidiaries or other assets, or take a combination of these steps or other steps to manage our liquidity and capital resources. Such activities have in the past and may in the future involve related companies. In the normal course of our business, we may investigate, evaluate, discuss and engage in acquisition, joint venture, strategic relationship and other business combination opportunities in the TiO<sub>2</sub> industry. In the event of any future acquisition or joint venture opportunity, we may consider using then-available liquidity, issuing our equity securities or incurring additional indebtedness.

At December 31, 2011, we had credit available under our European credit facility of approximately \$103.5 million. At December 31, 2011, we could borrow such amount without violating any covenants in such facility. We believe we will be able to comply with the financial covenants contained in such credit facility through its maturity; however if future operating results differ materially from our expectations we may be unable to maintain compliance. Based upon our expectation for the TiO<sub>2</sub> industry and anticipated demands on cash resources, we expect to have sufficient liquidity to meet our short term obligations (defined as the twelve-month period ending December 31, 2012) and our long-term obligations (defined as the five-year period ending December 31, 2016, our time period for long-term budgeting). If actual developments differ from our expectations, our liquidity could be adversely affected.

### ***Stock repurchase program***

In December 2010 our board of directors authorized the repurchase of up to 2.0 million shares of our common stock in open market transactions,

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including block purchases, or in privately-negotiated transactions at unspecified prices and over an unspecified period of time. To date, we have not made any repurchases under the plan and all 2.0 million shares are available for repurchase. See Note 13 to our Consolidated Financial Statements.

### **Capital expenditures**

We intend to spend approximately \$74 million to maintain and improve our existing facilities during 2012, including approximately \$26 million in the area of environmental compliance, protection and improvement. The majority of our expenditures in 2012 will be to maintain and improve the cost-effectiveness of our manufacturing facilities. Our capital expenditures in the area of environmental compliance, protection and improvement include expenditures which are primarily focused on increased operating efficiency but also result in improved environmental protection, such as lower emissions from our manufacturing plants. Capital spending for 2012 is expected to be funded through cash on hand or borrowing under existing credit facilities.

### **Off-balance sheet financing**

Other than operating lease commitments disclosed in Note 15 to our Consolidated Financial Statements, we are not party to any material off-balance sheet financing arrangements.

### **Cash, cash equivalents, restricted cash and marketable securities**

At December 31, 2011 we had:

	Held by		Total
	U.S. Entities	Non-U.S. Entities	
Cash and cash equivalents	\$ 58.5	\$ 24.0	\$82.5
Restricted cash	—	7.3	7.3
Mutual funds	20.9	—	20.9
Noncurrent marketable securities	98.4	—	98.4

### **Related party transactions**

We are party to certain transactions with related parties. See Note 14 to our Consolidated Financial Statements. It is our policy to engage in transactions with related parties on terms, in our opinion, no less favorable to us than could be obtained from unrelated parties.

### **Commitments and contingencies**

See Notes 10 and 15 to our Consolidated Financial Statements for a description of certain income tax examinations currently underway, certain legal proceedings and other commitments.

### **Recent accounting pronouncements**

See Note 17 to our Consolidated Financial Statements.

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### Debt and Other Contractual Commitments

As more fully described in the Notes to the Consolidated Financial Statements, we are a party to various debt, lease and other agreements which contractually and unconditionally commit us to pay certain amounts in the future. See Notes 9, 14, 15 and 16 to our Consolidated Financial Statements. The timing and amount shown for our commitments in the table below are based upon the contractual payment amount and the contractual payment date for such commitments. The following table summarizes such contractual commitments of ours and our consolidated subsidiaries as of December 31, 2011 by the type and date of payment.

Contractual commitment	Payment due date				Total
	2012	2013/ 2014	2015/ 2016	2017 and after	
			(In millions)		
Indebtedness(1)	\$ 2.2	\$ 362.2	\$ .7	\$ —	\$ 365.1
Interest payments on indebtedness (2)	23.6	7.9	—	—	31.5
Operating leases	12.3	11.4	4.6	17.4	45.7
Long-term supply contracts for the purchase of TiO <sub>2</sub> feedstock (3)	690.4	1,049.2	823.5	—	2,563.1
Long-term service and other supply contracts (4)	45.0	32.7	8.6	.9	87.2
Fixed asset acquisitions	12.6	—	—	—	12.6
Estimated tax obligations (5)	33.8	—	—	—	33.8
	<u>\$819.9</u>	<u>\$1,463.4</u>	<u>\$837.4</u>	<u>\$ 18.3</u>	<u>\$3,139.0</u>

- (1) A significant portion of the amount shown for indebtedness relates to our 6.5% Senior Secured Notes (\$360.6 million at December 31, 2011). Such indebtedness is denominated in euro. See Item 7A – “Quantitative and Qualitative Disclosures About Market Risk” and Note 9 to the Consolidated Financial Statements.
- (2) The amounts shown for interest for any outstanding variable-rate indebtedness is based upon the December 31, 2011 interest rates and assumes that such variable-rate indebtedness remains outstanding until maturity.
- (3) Our contracts for the purchase of TiO<sub>2</sub> feedstock contain fixed quantities that we are required to purchase, or specify a range of quantities within which we are required to purchase based on our feedstock requirements. The pricing under these agreements is generally negotiated quarterly or semi-annually depending on the suppliers. The timing and amount shown for our commitments related to the supply contracts for TiO<sub>2</sub> feedstock are based upon our current estimate of the quantity of material that will be purchased in each time period shown, the payment that would be due based upon such estimated purchased quantity and an estimate of the quarterly or semi-annual prices for the various suppliers. The actual amount of material purchased and the actual amount that would be payable by us, may vary from such estimated amounts. Our obligation for the purchase of TiO<sub>2</sub> feedstock is more fully described in Note 15 to our Consolidated Financial Statements and above in “Business – raw materials.”
- (4) The amounts shown for the long-term service and other supply contracts primarily pertain to agreements we have entered into with various providers of products or services which help to run our plant facilities (electricity, natural gas, etc.), utilizing December 31, 2011 exchange rates. See Note 15 to our Consolidated Financial Statements.

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- (5) The amount shown for estimated tax obligations is the consolidated amount of income taxes payable at December 31, 2011, which is assumed to be paid during 2012.

The above table does not reflect:

- Any amounts we might pay to fund our defined benefit pension plans and OPEB plans, as the timing and amount of any such future fundings are unknown and dependent on, among other things, the future performance of defined benefit pension plan assets, interest rate assumptions and actual future retiree medical costs. We expect to be required to contribute an aggregate of approximately \$27.5 million to our defined benefit pension plans and OPEB plans during 2012. Such defined benefit pension plans and OPEB plans are discussed below in greater detail. See Note 11 to our Consolidated Financial Statements.
- Any amounts we might pay to settle any of our uncertain tax positions, as the timing and amount of any such future settlements are unknown and dependent on, among other things, the timing of tax audits. See Note 10 to our Consolidated Financial Statements; and
- Any amounts we might pay to acquire TiO<sub>2</sub> from our TiO<sub>2</sub> manufacturing joint venture, as the timing and amount of such purchases are unknown and dependent on, among other things, the amount of TiO<sub>2</sub> produced by the joint venture in the future and the joint venture's future cost of producing such TiO<sub>2</sub>. However, the table does include amounts related to our share of the joint venture's ore requirements necessary to produce TiO<sub>2</sub> for us. See Item 1, "Business" and Note 5 to our Consolidated Financial Statements.

We occasionally enter into raw material supply arrangements to mitigate the short-term impact of future increases in raw material costs. While these arrangements do not necessarily commit us to a minimum volume of purchase, they generally provide for stated unit prices based upon achievement of specified volume purchase levels. This allows us to stabilize raw material purchase prices to a certain extent, provided the specified minimum monthly purchase quantities are met.

### **Defined benefit pension plans**

We maintain various defined benefit pension plans in the U.S., Europe and Canada. See Note 11 to our Consolidated Financial Statements.

Under defined benefit pension plan accounting, defined benefit pension plan expense and pension assets and accrued pension costs are each recognized based on certain actuarial assumptions, principally the assumed discount rate, the assumed long-term rate of return on plan assets and the assumed increase in future compensation levels. We recognize the full funded status of our defined benefit pension plans as either an asset (for overfunded plans) or a liability (for underfunded plans) in our Consolidated Balance Sheet.

We recognized consolidated defined benefit pension plan expense of \$22.3 million in 2009, \$22.8 million in 2010 and \$25.8 million in 2011. The amount

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of funding requirements for these defined benefit pension plans is generally based upon applicable regulations (such as ERISA in the U.S.) and will generally differ from pension expense for financial reporting purposes. We made contributions to all of our plans which aggregated \$23.1 million in 2009, \$24.6 million in 2010 and \$25.5 million in 2011.

The discount rates we use for determining defined benefit pension expense and the related pension obligations are based on current interest rates earned on long-term bonds that receive one of the two highest ratings given by recognized rating agencies in the applicable country where the defined benefit pension benefits are being paid. In addition, we receive third-party advice about appropriate discount rates and these advisors may in some cases use their own market indices. We adjust these discount rates as of each December 31 valuation date to reflect then-current interest rates on such long-term bonds. We use these discount rates to determine the actuarial present value of the pension obligations as of December 31 of that year. We also use these discount rates to determine the interest component of defined benefit pension expense for the following year.

At December 31, 2011, approximately 55%, 24%, 15% and 4% of the projected benefit obligations related to our plans in Germany, Canada, Norway and the U.S., respectively. We use several different discount rate assumptions in determining our consolidated defined benefit pension plan obligation and expense. This is because we maintain defined benefit pension plans in several different countries in Europe and North America and the interest rate environment differs from country to country.

We used the following discount rates for our defined benefit pension plans:

	<b>Discount rates used for:</b>		
	<b>Obligations at December 31, 2009 and expense in 2010</b>	<b>Obligations at December 31, 2010 and expense in 2011</b>	<b>Obligations at December 31, 2011 and expense in 2012</b>
Germany	5.5%	5.2%	5.5%
Canada	6.0%	5.2%	4.3%
Norway	5.3%	4.8%	3.5%
U.S.	5.7%	5.1%	4.2%

The assumed long-term rate of return on plan assets represents the estimated average rate of earnings expected to be earned on the funds invested or to be invested in the plans' assets provided to fund the benefit payments inherent in the projected benefit obligations. Unlike the discount rate, which is adjusted each year based on changes in current long-term interest rates, the assumed long-term rate of return on plan assets will not necessarily change based upon the actual short-term performance of the plan assets in any given year. Defined benefit pension expense each year is based upon the assumed long-term rate of return on plan assets for each plan, the actual fair value of the plan assets as of the beginning of the year and an estimate of the amount of contributions to and distributions from the plan during the year. Differences between the expected return on plan assets for a given year and the actual return are deferred and amortized over future periods based either upon the expected average remaining service life of the active plan participants (for plans for which benefits are still being earned by active employees) or the average remaining life expectancy of the inactive participants (for plans for which benefits are not still being earned by active employees).

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At December 31, 2011, approximately 54%, 24%, 16% and 4% of the plan assets related to our plans in the Germany, Canada, Norway and the U.S., respectively. We use several different long-term rates of return on plan asset assumptions in determining our consolidated defined benefit pension plan expense. This is because the plan assets in different countries are invested in a different mix of investments and the long-term rates of return for different investments differ from country to country.

In determining the expected long-term rate of return on plan asset assumptions, we consider the long-term asset mix (e.g. equity vs. fixed income) for the assets for each of our plans and the expected long-term rates of return for such asset components. In addition, we receive third-party advice about appropriate long-term rates of return. Such assumed asset mixes are summarized below:

- In Germany, the composition of our plan assets is established to satisfy the requirements of the German insurance commissioner.
- In Canada, we currently have a plan asset target allocation of 55% to equity securities, 45% to fixed income securities and the remainder primarily to cash and liquid investments. We expect the long-term rate of return for such investments to average approximately 125 basis points above the applicable equity or fixed income index.
- In Norway, we currently have a plan asset target allocation of 12% to equity securities, 72% to fixed income securities, 7% to real estate and the remainder primarily to cash and liquid investments. The expected long-term rate of return for such investments is approximately 8%, 4%, 7% and 3%, respectively.
- In the U.S. substantially all of the assets are invested in The Combined Master Retirement Trust (“CMRT”), a collective investment trust sponsored by Contran to permit the collective investment by certain master trusts which fund certain employee benefits plans sponsored by Contran and certain of its affiliates. Harold C. Simmons is the sole trustee of the CMRT and is a member of the CMRT investment committee. The CMRT’s long-term investment objective is to provide a rate of return exceeding a composite of broad market equity and fixed income indices (including the S&P 500 and certain Russell indices), while utilizing both third-party investment managers as well as investments directed by Mr. Simmons. The CMRT holds TIMET common stock in its investment portfolio; however through December 31, 2009 we invested in a portion of the CMRT which does not include the TIMET holdings. Beginning in 2010, we began to invest in the portion of the CMRT that holds such stock. During the history of the CMRT from its inception in 1988 through December 31, 2011, the average annual rate of return (including the CMRT’s investment in TIMET common stock) has been 14%, while such annual return excluding the CMRT’s investment in TIMET common stock has been 11.4%.



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Our pension plan weighted average asset allocations by asset category were as follows:

	December 31, 2011			
	Germany	Canada	Norway	CMRT
Equity securities and limited partnerships	29%	56%	10%	85%
Fixed income securities	50	41	70	14
Real estate	11	—	9	—
Other	10	3	11	1
Total	<u>100%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>

	December 31, 2010			
	Germany	Canada	Norway	CMRT
Equity securities and limited partnerships	17%	59%	17%	83%
Fixed income securities	61	39	68	16
Real estate	11	—	2	—
Other	11	2	13	1
Total	<u>100%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>

We regularly review our actual asset allocation for each non-US plan and will periodically rebalance the investments in each plan to more accurately reflect the targeted allocation when considered appropriate. The CMRT trustee and investment committee do not maintain a specific target asset allocation in order to achieve their objectives, but instead they periodically change the asset mix of the CMRT based upon, among other things, advice they receive from third-party advisors and their expectations regarding potential returns for various investment alternatives and what asset mix will generate the greatest overall return.

Our assumed long-term rates of return on plan assets for 2009, 2010 and 2011 were as follows:

	2009	2010	2011
Germany	5.3%	5.0%	5.0%
Canada	6.0%	6.0%	6.0%
Norway	5.8%	5.0%	4.8%
U.S.	10.0%	10.0%	10.0%

We currently expect to use the same long-term rate of return on plan asset assumptions in 2012 as we used in 2011 for purposes of determining the 2012 defined benefit pension plan expense.

To the extent that a plan's particular pension benefit formula calculates the pension benefit in whole or in part based upon future compensation levels, the projected benefit obligations and the pension expense will be based in part upon expected increases in future compensation levels. For all of our plans for which the benefit formula is so calculated, we generally base the assumed expected increase in future compensation levels upon average long-term inflation rates for the applicable country.

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In addition to the actuarial assumptions discussed above, the amount of recognized defined benefit pension expense and the amount of net pension asset and net pension liability will vary based upon relative changes in currency exchange rates.

A reduction in the assumed discount rate generally results in an actuarial loss, as the actuarially-determined present value of estimated future benefit payments will increase. Conversely, an increase in the assumed discount rate generally results in an actuarial gain. In addition, an actual return on plan assets for a given year that is greater than the assumed return on plan assets results in an actuarial gain, while an actual return on plan assets that is less than the assumed return results in an actuarial loss. Other actual outcomes that differ from previous assumptions, such as individuals living longer or shorter than assumed in mortality tables, which are also used to determine the actuarially-determined present value of estimated future benefit payments, changes in such mortality table themselves or plan amendments, will also result in actuarial losses or gains. These amounts are recognized in other comprehensive income. In addition, any actuarial gains generated in future periods would reduce the negative amortization effect of any cumulative unrecognized actuarial losses, while any actuarial losses generated in future periods would reduce the favorable amortization effect of any cumulative unrecognized actuarial gains.

During 2011, all of our defined benefit pension plans generated a combined net actuarial loss of approximately \$19.7 million. This actuarial loss resulted primarily from the general reduction in discount rates from December 31, 2010 to December 31, 2011.

Based on the actuarial assumptions described above and our current expectation for what actual average currency exchange rates will be during 2012, we expect our defined benefit pension expense will approximate \$25 million in 2012. In comparison, we expect to be required to contribute approximately \$27 million to such plans during 2012.

As noted above, defined benefit pension expense and the amounts recognized as accrued pension costs are based upon the actuarial assumptions discussed above. We believe all of the actuarial assumptions used are reasonable and appropriate. However, if we had lowered the assumed discount rate by 25 basis points for all plans as of December 31, 2011, our aggregate projected benefit obligations would have increased by approximately \$16.1 million at that date and our defined benefit pension expense would be expected to increase by approximately \$1.4 million during 2011. Similarly, if we lowered the assumed long-term rate of return on plan assets by 25 basis points for all of our plans, our defined benefit pension expense would be expected to increase by approximately \$.9 million during 2011.

### **OPEB plans**

Certain subsidiaries of ours in the U.S. and Canada currently provide certain health care and life insurance benefits for eligible retired employees. See Note 11 to the Consolidated Financial Statements. Under other postretirement employee benefits (OPEB) accounting, OPEB expense and accrued OPEB costs are based on certain actuarial assumptions, principally the assumed discount rate and the assumed rate of increases in future health care costs. We recognize the full unfunded status of our OPEB plans as a liability.

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We recognized consolidated OPEB cost of approximately \$.6 million in 2009, \$.1.2 million in 2010 and \$.3 million in 2011. Similar to defined benefit pension benefits, the amount of funding will differ from the expense recognized for financial reporting purposes and contributions to the plans to cover benefit payments aggregated \$.4 million in 2009, \$.5 million in 2010 and \$.4 million in 2011. Substantially all of our U.S. accrued OPEB cost relates to benefits being paid to current retirees and their dependents and no material amount of OPEB benefits are being earned by current U.S. employees. Some of our Canadian employees are earning OPEB benefits. Our expected OPEB benefit payments for 2012 are expected to be similar amounts.

The discount rates we use for determining OPEB expense and the related OPEB obligations are based on current interest rates earned on high-quality bond yields in the applicable country where the benefits are being paid. In addition, we receive third-party advice about appropriate discount rates, and these advisors may in some cases use their own market indices. We adjust these discount rates as of each valuation date to reflect then-current interest rates on such bonds. We use these discount rates to determine the actuarial present value of the OPEB obligations as of December 31 of that year. We also use these discount rates to determine the interest component of OPEB expense for the following year.

In estimating the health care cost trend rate, we consider our actual health care cost experience, future benefit structures, industry trends and advice from our third-party actuaries. During each of the past three years, we have assumed that the relative increase in health care costs will generally trend downward over the next several years, reflecting, among other things, assumed increases in efficiency in the health care system and industry-wide cost containment initiatives. For example, at December 31, 2011, the expected rate of increase in future health care costs ranges from 8.0% in 2012, declining to 5.0% in 2016 and thereafter.

Based on the actuarial assumptions described above and our current expectation for what actual average currency exchange rates will be during 2012, we expect our consolidated OPEB expense will approximate \$.6 million in 2012. In comparison, we expect to be required to make approximately \$.5 million of contributions to such plans during 2012.

We believe that all of the actuarial assumptions used are reasonable and appropriate. A 25 basis point change in assumed discount rates, or a one percent change in assumed health care trend rates, would not have a material effect on the net OPEB cost for 2011 or on the accumulated OPEB obligation at December 31, 2011.

### **Operations outside the United States**

As discussed above, we have substantial operations located outside the United States for which the functional currency is not the U.S. dollar. As a result, the reported amount of our assets and liabilities related to our non-U.S. operations, and therefore our consolidated net assets, will fluctuate based upon changes in currency exchange rates. At December 31, 2011, we had substantial net assets denominated in the euro, Canadian dollar and Norwegian krone.

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

We are exposed to market risk from changes in interest rates, currency exchange rates and raw materials prices.

**Interest rates**

We are exposed to market risk from changes in interest rates, primarily related to indebtedness. At December 31, 2010 and 2011, the majority of our aggregate indebtedness was comprised of fixed-rate instruments. The large percentage of fixed-rate debt instruments minimizes earnings volatility that would result from changes in interest rates. The following table presents principal amounts and weighted average interest rates for our aggregate outstanding indebtedness at December 31, 2011. Information shown below for such non-U.S. dollar denominated indebtedness is presented in its U.S. dollar equivalent at December 31, 2011 using an exchange rate of U.S. \$1.2933 per euro. See Note 9 to our Consolidated Financial Statements.

<u>Indebtedness</u>	<u>Amount</u>		<u>Interest rate</u>	<u>Maturity date</u>
	<u>Carrying value</u>	<u>Fair value</u>		
<b>December 31, 2011:</b>				
Fixed-rate indebtedness—euro-denominated:				
Senior Secured Notes	<u>\$ 360.6</u>	<u>\$362.6</u>	6.5%	2013
<b>December 31, 2010:</b>				
Fixed-rate indebtedness—euro-denominated:				
Senior Secured Notes	<u>\$ 532.8</u>	<u>\$536.0</u>	6.5%	2013

**Currency exchange rates**

We are exposed to market risk arising from changes in currency exchange rates as a result of manufacturing and selling our products worldwide. Earnings are primarily affected by fluctuations in the value of the U.S. dollar relative to the euro, the Canadian dollar, the Norwegian krone and the United Kingdom pound sterling.

As described above, at December 31, 2011, we had the equivalent of \$360.6 million of outstanding euro-denominated indebtedness (at December 31, 2010 – the equivalent of \$532.8 million of euro-denominated indebtedness). The potential increase in the U.S. dollar equivalent of the principal amount outstanding resulting from a hypothetical 10% adverse change in exchange rates at such date would be approximately \$53.4 million and \$36.1 million at December 31, 2010 and 2011, respectively.

Certain of our sales generated by our non-U.S. operations are denominated in U.S. dollars. We periodically use currency forward contracts to manage a very nominal portion of currency exchange rate risk associated with trade receivables denominated in a currency other than the holder's functional currency or similar exchange rate risk associated with future sales. We have not entered into these contracts for trading or speculative purposes in the past, nor do we currently anticipate entering into such contracts for trading or speculative purposes in the future.

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At December 31, 2011, we had currency forward contracts to exchange an aggregate of \$48.0 million for an equivalent value of Canadian dollars at exchange rates ranging from Cdn. \$.9969 to Cdn. \$1.0283 per U.S. dollar. These contracts with Wells Fargo Bank, National Association, mature from January 2012 through December 2012 at a rate of \$4.0 million per month, subject to early redemption provisions at our option.

The estimated fair value of such currency forward contracts at December 31, 2011 was a \$.8 million net liability, which amount is recognized as part of accounts payable and accrued liabilities in our Consolidated Balance Sheet and a corresponding \$.8 million currency transaction loss in our Consolidated Statement of Operations. To the extent we held such contracts during 2009, 2010 and 2011, we did not use hedge accounting for any of our contracts.

See Note 16 to our Consolidated Financial Statements.

### **Marketable security prices**

We are exposed to market risk due to changes in prices of the marketable securities which we own. The fair value of securities which includes investments in mutual funds and in publicly-traded shares of related parties was \$49.7 million and \$119.3 million, respectively, at December 31, 2010 and December 31, 2011. The potential change in the aggregate fair value of these investments, assuming a 10% change in prices, would be approximately \$5 million and \$12 million, respectively, at December 31, 2010 and December 31, 2011.

### **Raw materials**

We are exposed to market risk from changes in commodity prices relating to our raw materials. As discussed in Item 1 we generally enter into long-term supply agreements for certain of our raw material requirements including ore. Many of our raw material contracts contain fixed quantities we are required to purchase, or specify a range of quantities within which we are required to purchase. Raw material pricing under these agreements is generally negotiated quarterly or semi-annually depending upon the suppliers. For certain raw material requirements we do not have long-term supply agreements either because we have assessed the risk of the unavailability of those raw materials and/or the risk of a significant change in the cost of those raw materials to be low, or because long-term supply agreements for those raw materials are generally not available.

### **Other**

We believe there may be a certain amount of incompleteness in the sensitivity analyses presented above. For example, the hypothetical effect of changes in exchange rates discussed above ignores the potential effect on other variables which affect our results of operations and cash flows, such as demand for our products, sales volumes and selling prices and operating expenses. Accordingly, the amounts presented above are not necessarily an accurate reflection of the potential losses we would incur assuming the hypothetical changes in exchange rates were actually to occur.

The above discussion and estimated sensitivity analysis amounts include forward-looking statements of market risk which assume hypothetical changes in currency exchange rates. Actual future market conditions will likely differ

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materially from such assumptions. Accordingly, such forward-looking statements should not be considered to be projections by us of future events, gains or losses.

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

The information called for by this Item is contained in a separate section of this Annual Report. See “Index of Financial Statements and Schedules” (page F-1).

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

None.

### **ITEM 9A. CONTROLS AND PROCEDURES**

#### **Evaluation of Disclosure Controls and Procedures**

We maintain a system of disclosure controls and procedures. The term “disclosure controls and procedures,” as defined by Exchange Act Rule 13a-15(e), means controls and other procedures that are designed to ensure that information required to be disclosed in the reports that we file or submit to the SEC under the Securities Exchange Act of 1934, as amended (the “Act”), is recorded, processed, summarized and reported, within the time periods specified in the SEC’s rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information we are required to disclose in the reports we file or submit to the SEC under the Act is accumulated and communicated to our management, including our principal executive officer and our principal financial officer, or persons performing similar functions, as appropriate to allow timely decisions to be made regarding required disclosure. Each of Steven L. Watson, our Chief Executive Officer and Gregory M. Swalwell, our Executive Vice President and Chief Financial Officer, have evaluated the design and effectiveness of our disclosure controls and procedures as of December 31, 2011. Based upon their evaluation, these executive officers have concluded that our disclosure controls and procedures are effective as of December 31, 2011.

#### **Scope of Management Report on Internal Control Over Financial Reporting**

We also maintain internal control over financial reporting. The term “internal control over financial reporting,” as defined by Exchange Act Rule 13a-15(f) means a process designed by, or under the supervision of, our principal executive and principal financial officers, or persons performing similar functions, and effected by the board of directors, management and other personnel, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP, and includes those policies and procedures that:

- Pertain to the maintenance of records that in reasonable detail accurately and fairly reflect the transactions and dispositions of our assets,
- Provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with GAAP, and that receipts and expenditures are being made only in accordance with authorizations of management and directors and

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- Provide reasonable assurance regarding prevention or timely detection of an unauthorized acquisition, use or disposition of assets that could have a material effect on our Consolidated Financial Statements.

Section 404 of the Sarbanes-Oxley Act of 2002 requires us to report on internal control over financial reporting in this Annual Report on Form 10-K for the year ended December 31, 2011. Our independent registered public accounting firm is also required to annually attest to our internal control over financial reporting.

As permitted by the SEC, our assessment of internal control over financial reporting excludes (i) internal control over financial reporting of equity method investees and (ii) internal control over the preparation of our financial statement schedules required by Article 12 of Regulation S-X. However, our assessment of internal control over financial reporting with respect to equity method investees did include controls over the recording of amounts related to our investment that are recorded in the consolidated financial statements, including controls over the selection of accounting methods for our investments, the recognition of equity method earnings and losses and the determination, valuation and recording of our investment account balances.

### **Changes in Internal Control Over Financial Reporting**

There has been no change to our internal control over financial reporting during the quarter ended December 31, 2011 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

### **Management's Report on Internal Control Over Financial Reporting**

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rules 13a-15(f) and 15d-15(f). Our evaluation of the effectiveness of internal control over financial reporting is based upon the criteria established in *Internal Control – Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (commonly referred to as the "COSO" framework). Based on our evaluation under that framework, we have concluded that our internal control over financial reporting was effective as of December 31, 2011.

PricewaterhouseCoopers LLP, the independent registered public accounting firm that has audited our consolidated financial statements included in this Annual Report, has audited the effectiveness of our internal control over financial reporting as of December 31, 2011, as stated in their report, which is included in this Annual Report on Form 10-K.

### **Certifications**

Our chief executive officer is required to annually file a certification with the New York Stock Exchange, or NYSE, certifying our compliance with the corporate governance listing standards of the NYSE. During 2011, our chief executive officer filed such annual certification with the NYSE. The 2011 certification was unqualified.

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Our chief executive officer and chief financial officer are also required to, among other things, file quarterly certifications with the SEC regarding the quality of our public disclosures, as required by Section 302 of the Sarbanes-Oxley Act of 2002. The certifications for the quarter ended December 31, 2011 have been filed as Exhibits 31.1 and 31.2 to this Annual Report on Form 10-K.

**ITEM 9B. OTHER INFORMATION**

Not applicable



**PART III**

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

The information required by this Item is incorporated by reference to our 2012 definitive proxy statement to be filed with the SEC pursuant to Regulation 14A within 120 days after the end of the fiscal year covered by this report.

**ITEM 11. EXECUTIVE COMPENSATION**

The information required by this Item is incorporated by reference to our 2012 proxy statement.

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

The information required by this Item is incorporated by reference to our 2012 proxy statement.

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

The information required by this Item is incorporated by reference to our 2012 proxy statement. See also Note 14 to our Consolidated Financial Statements.

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

The information required by the Item is incorporated by reference to our 2012 proxy statement.

**PART IV**

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

(a) and (c) Financial Statements and Schedule

**The Registrant**

The consolidated financial statements and schedule of the Registrant listed on the accompanying Index of Financial Statements and Schedules (see page F-1) are filed as part of this Annual Report.

(b) Exhibits

Included as exhibits are the items listed in the Exhibit Index. We will furnish a copy of any of the exhibits listed below upon payment of \$4.00 per exhibit to cover our costs to furnish the exhibits. Pursuant to Item 601(b)(4)(iii) of Regulation S-K, any instrument defining the rights of holders of long-term debt issues and other agreements related to indebtedness which do not exceed 10% of consolidated total assets as of December 31, 2010 will be furnished to the Commission upon request.

We will also furnish, without charge, a copy of our amended and restated Code of Business Conduct and Ethics, as adopted by the board of directors on February 9, 2012, upon request. Such requests should be directed to the attention of the Corporate Secretary at our corporate offices located at 5430 LBJ Freeway, Suite 1700, Dallas, TX 75240.

<u>Item No.</u>	<u>Exhibit Index</u>
3.1	First Amended and Restated Certificate of Incorporation of Kronos Worldwide, Inc. – incorporated by reference to Exhibit 3.1 of the Registration statement on Form 10 of the Registrant (File No. 001-31763).
3.2	Amended and Restated Bylaws of Kronos Worldwide, Inc. as of October 25, 2007 – incorporated by reference to Exhibit 3.1 of the Registrant’s Current Report on Form 8-K filed (File No. 001-31763) with the U.S. Securities and Exchange Commission on October 31, 2007.
4.1	Indenture governing the 6.5% Senior Secured Notes due 2013, dated as of April 11, 2006, between Kronos International, Inc. and The Bank of New York, as trustee—incorporated by reference to Exhibit 4.1 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
4.2	Form of certificate of Series A 6.5% Senior Secured Note due 2013—incorporated by reference to Exhibit 4.2 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.

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- 4.3 Form of certificate of Series B 6.5% Senior Secured Note due 2013—incorporated by reference to Exhibit 4.3 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
- 4.4 Purchase Agreement dated April 5, 2006 between Kronos International, Inc. and Deutsche Bank AG London—incorporated by reference to Exhibit 4.1 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
- 4.5 Registration Rights Agreement dated as of April 11, 2006 between Kronos International, Inc. and Deutsche Bank AG London—incorporated by reference to Exhibit 4.5 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
- 4.6 Collateral Agency Agreement, dated April 11, 2006, among The Bank of New York, U.S. Bank, N.A. and Kronos International, Inc.— incorporated by reference to Exhibit 4.6 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
- 4.7 Security Over Shares Agreement, dated April 11, 2006, between Kronos International, Inc. and The Bank of New York—incorporated by reference to Exhibit 4.7 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
- 4.8 Pledge of Shares (shares in Kronos Denmark ApS), dated April 11, 2006, between Kronos International, Inc. and U.S. Bank, N.A.—incorporated by reference to Exhibit 4.8 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
- 4.9 Pledge Agreement (shares in Societe Industrielle du Titane S.A.), dated April 11, 2006, between Kronos International, Inc. and U.S. Bank, N.A.— incorporated by reference to Exhibit 4.9 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
- 4.10 Share Pledge Agreement (shares in Kronos Titan GmbH), dated April 11, 2006, between Kronos International, Inc. and U.S. Bank, N.A.—incorporated by reference to Exhibit 4.10 to the Current Report on Form 8-K of Kronos International, Inc. (File No. 333-100047) that was filed with the U.S. Securities and Exchange Commission on April 11, 2006.
- 10.1 Form of Tax Agreement between Valhi, Inc. and Kronos Worldwide, Inc. – incorporated by reference to Exhibit 10.1 of the Registration statement on Form 10 of the Registrant (File No. 001-31763).

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- 10.2 Intercorporate Services Agreement by and between Contran Corporation and Kronos Worldwide, Inc., effective as of January 1, 2004 – incorporated by reference to Exhibit 10.2 to the Quarterly Report on Form 10-Q of the Registrant (File No. 001-31763) for the quarter ended March 31, 2004.
- 10.3\* Form of Kronos Worldwide, Inc. 2003 Long-Term Incentive Plan – incorporated by reference to Exhibit 10.4 of the Registration statement on Form 10 of the Registrant (File No. 001-31763).
- 10.4 €80,000,000 Facility Agreement, dated June 25, 2002, among Kronos Titan GmbH & Co. OHG, Kronos Europe S.A./N.V., Kronos Titan A/S and Titania A/S, as borrowers, Kronos Titan GmbH & Co. OHG, Kronos Europe S.A./N.V. and Kronos Norge AS, as guarantors, Kronos Denmark ApS, as security provider, Deutsche Bank AG, as mandated lead arranger, Deutsche Bank Luxembourg S.A., as agent and security agent, and KBC Bank NV, as fronting bank, and the financial institutions listed in Schedule 1 thereto, as lenders—incorporated by reference to Exhibit 10.1 to the Quarterly Report on Form 10-Q of NL Industries, Inc. (File No. 001-00640) for the quarter ended June 30, 2002.
- 10.5 First Amendment Agreement, dated September 3, 2004, Relating to a Facility Agreement dated June 25, 2002 among Kronos Titan GmbH, Kronos Europe S.A./N.V., Kronos Titan AS and Titania A/S, as borrowers, Kronos Titan GmbH, Kronos Europe S.A./N.V. and Kronos Norge AS, as guarantors, Kronos Denmark ApS, as security provider, with Deutsche Bank Luxembourg S.A., acting as agent – incorporated by reference to Exhibit 10.1 of the Current Report on Form 8-K of the Registrant dated November 17, 2004 (File No. 333-119639).
- 10.6 Second Amendment Agreement Relating to a Facility Agreement dated June 25, 2002 executed as of June 14, 2005 by and among Deutsche Bank AG, as mandated lead arranger, Deutsche Bank Luxembourg S.A. as agent, the participating lenders, Kronos Titan GmbH, Kronos Europe S.A./N.V., Kronos Titan AS, Kronos Norge AS, Titania AS and Kronos Denmark ApS – incorporated by reference to Exhibit 10.3 to the Annual Report on Form 10-K of Kronos International, Inc.(File No. 333-100047) for the year ended December 31, 2009.
- 10.7 Third Amendment Agreement Relating to a Facility Agreement dated June 25, 2002 executed as of May 26, 2008 by and among Deutsche Bank AG, as mandated lead arranger, Deutsche Bank Luxembourg S.A., as agent, the participating lenders, Kronos Titan GmbH, Kronos Europe S.A./N.V., Kronos Titan AS, Kronos Norge AS, Titania AS and Kronos Denmark ApS – incorporated by reference to Exhibit 10.4 to the Annual Report on Form 10-K of Kronos International, Inc. (File No. 333-100047) for the year ended December 31, 2009.
- 10.8 Fourth Amendment Agreement Relating to a Facility Agreement dated June 25, 2002 executed as of September 15, 2009 by and among Deutsche Bank AG, as mandated lead arranger, Deutsche Bank Luxembourg S.A., as agent, the participating lenders, Kronos Titan GmbH, Kronos Europe S.A./N.V., Kronos Titan AS, Kronos Norge AS, Titania AS and Kronos Denmark ApS – incorporated by reference to Exhibit 10.5 to the Annual Report on Form 10-K of Kronos International, Inc. (File No. 333-1000947) for the year ended December 31, 2009.

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- 10.9 Fifth Amendment Agreement Relating to a Facility Agreement dated June 25, 2002 executed as of October 28, 2010 by and among Deutsche Bank AG, as mandated lead arranger, Deutsche Bank Luxembourg S.A., as agent, the participating lenders, Kronos Titan GmbH, Kronos Europe S.A./N.V., Kronos Titan AS, Kronos Norge AS, Titania AS and Kronos Denmark ApS – incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K of Kronos International, Inc. dated October 28, 2010 (File No. 333-100047).
- 10.10 Lease Contract, dated June 21, 1952, between Farbenfabriken Bayer Aktiengesellschaft and Titangesellschaft mit beschränkter Haftung (German language version and English translation thereof)- incorporated by reference to Exhibit 10.14 to the Annual Report on Form 10-K (File No. 001-00640) of NL Industries, Inc. for the year ended December 31, 1985.
- 10.11 Master Technology Exchange Agreement, dated as of October 18, 1993, among Kronos Worldwide, Inc. (f/k/a Kronos, Inc.), Kronos Louisiana, Inc., Kronos International, Inc., Tioxide Group Limited and Tioxide Group Services Limited—incorporated by reference to Exhibit 10.8 to the Quarterly Report on Form 10-Q (File No. 001-00640) of NL Industries, Inc. for the quarter ended September 30, 1993.
- 10.12 Form of Assignment and Assumption Agreement, dated as of January 1, 1999, between Kronos Inc. (formerly known as Kronos (USA), Inc.) and Kronos International, Inc.—incorporated by reference to Exhibit 10.9 to Kronos International, Inc.’s Registration Statement on Form S-4 (File No. 333-100047).
- 10.13 Form of Cross License Agreement, effective as of January 1, 1999, between Kronos Inc. (formerly known as Kronos (USA), Inc.) and Kronos International, Inc.—incorporated by reference to Exhibit to Kronos International, Inc.’s Registration Statement on Form S-4 (File No. 333-100047).
- 10.14 Formation Agreement dated as of October 18, 1993 among Tioxide Americas Inc., Kronos Louisiana, Inc. and Louisiana Pigment Company, L.P.—incorporated by reference to Exhibit 10.2 to NL Industries, Inc.’s Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
- 10.15 Joint Venture Agreement dated as of October 18, 1993 between Tioxide Americas Inc. and Kronos Louisiana, Inc.—incorporated by reference to Exhibit 10.3 to NL Industries, Inc.’s Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
- 10.16 Kronos Offtake Agreement dated as of October 18, 1993 between Kronos Louisiana, Inc. and Louisiana Pigment Company, L.P.—incorporated by reference to Exhibit 10.4 to NL Industries, Inc.’s Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.

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10.17	Amendment No. 1 to Kronos Offtake Agreement dated as of December 20, 1995 between Kronos Louisiana, Inc. and Louisiana Pigment Company, L.P.—incorporated by reference to Exhibit 10.22 to NL Industries, Inc.’s Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 1995.
10.18	Tioxide Americas Offtake Agreement dated as of October 18, 1993 between Tioxide Americas Inc. and Louisiana Pigment Company, L.P.—incorporated by reference to Exhibit 10.5 to NL Industries, Inc.’s Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.19	Amendment No. 1 to Tioxide Americas Offtake Agreement dated as of December 20, 1995 between Tioxide Americas Inc. and Louisiana Pigment Company, L.P.—incorporated by reference to Exhibit 10.24 to NL Industries, Inc.’s Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 1995.
10.20	Parents’ Undertaking dated as of October 18, 1993 between ICI American Holdings Inc. and Kronos Worldwide, Inc. (f/k/a Kronos, Inc.)—incorporated by reference to Exhibit 10.9 to NL Industries, Inc.’s Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.21	Allocation Agreement dated as of October 18, 1993 between Tioxide Americas Inc., ICI American Holdings, Inc., Kronos Worldwide, Inc. (f/k/a Kronos, Inc.) and Kronos Louisiana, Inc.—incorporated by reference to Exhibit 10.10 to NL Industries, Inc.’s Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.22	Insurance sharing agreement dated October 30, 2003 by and among CompX International Inc., Contran Corporation, Keystone Consolidated Industries, Inc., Titanium Metals Corp., Valhi, Inc., NL Industries, Inc. and Kronos Worldwide, Inc. – incorporated by reference to Exhibit 10.48 to NL Industries, Inc.’s Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 2003.
10.23**	Third Amended and Restated Unsecured Revolving Demand Promissory Note dated December 31, 2011 in the original principal amount of \$225.0 million executed by Valhi, Inc. and payable to the order of Kronos Worldwide, Inc.
21.1**	Subsidiaries.
23.1**	Consent of PricewaterhouseCoopers LLP.
31.1**	Certification.
31.2**	Certification.
32.1**	Certification.

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101.INS**	XBRL Instance Document
101.SCH**	XBRL Taxonomy Extension Schema
101.CAL**	XBRL Taxonomy Extension Calculation Linkbase
101.DEF**	XBRL Taxonomy Extension Definition Linkbase
101.LAB**	XBRL Taxonomy Extension Label Linkbase
101.PRE**	XBRL Taxonomy Extension Presentation Linkbase

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\* Management contract, compensatory plan or arrangement

\*\* Filed herewith

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.

Kronos Worldwide, Inc.  
(Registrant)

By: /s/ Steven L. Watson  
Steven L. Watson  
March 5, 2012  
(Vice Chairman and Chief Executive 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 and on the dates indicated:

/s/ Harold C. Simmons  
Harold C. Simmons, March 5, 2012  
(Chairman of the Board)

/s/ George E. Poston  
George E. Poston, March 5, 2012 (Director)

/s/ C. H. Moore, Jr.  
C. H. Moore, Jr., March 5, 2012 (Director)

/s/ R. Gerald Turner  
R. Gerald Turner, March 5, 2012  
(Director)

/s/ Steven L. Watson  
Steven L. Watson, March 5, 2012  
(Vice Chairman and Chief Executive Officer)

/s/ Glenn R. Simmons  
Glenn R. Simmons, March 5, 2012 (Director)

/s/ Keith R. Coogan  
Keith R. Coogan, March 5, 2012 (Director)

/s/ Gregory M. Swalwel  
Gregory M. Swalwell, March 5, 2012  
(Executive Vice President and Chief  
Financial Officer, Principal  
Financial Officer)

/s/ Tim C. Hafer  
Tim C. Hafer, March 5, 2012  
(Vice President, Controller,  
Principal Accounting Officer)



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**KRONOS WORLDWIDE, INC.**  
**Annual Report on Form 10-K**  
**Items 8, 15(a) and 15(c)**  
**Index of Financial Statements and Schedules**

	Page
<b>Financial Statements</b>	
<a href="#">Report of Independent Registered Public Accounting Firm</a>	F-2
<a href="#">Consolidated Balance Sheets - December 31, 2010 and 2011</a>	F-4
<a href="#">Consolidated Statements of Operations— Years ended December 31, 2009, 2010 and 2011</a>	F-6
<a href="#">Consolidated Statements of Comprehensive Income (Loss)— Years ended December 31, 2009, 2010 and 2011</a>	F-7
<a href="#">Consolidated Statements of Stockholders' Equity— Years ended December 31, 2009, 2010 and 2011</a>	F-8
<a href="#">Consolidated Statements of Cash Flows— Years ended December 31, 2009, 2010 and 2011</a>	F-9
<a href="#">Notes to Consolidated Financial Statements</a>	F-11
<b>Financial Statement Schedule</b>	
<a href="#">Schedule I – Condensed Financial Information of Registrant</a>	S-1
Schedules II, III and IV are omitted because they are not applicable or the required amounts are either not material or are presented in the Notes to the Consolidated Financial Statements.	

**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Stockholders and Board of Directors of Kronos Worldwide, Inc.:

In our opinion, the accompanying consolidated balance sheets and the related consolidated statements of operations, of comprehensive income (loss), of stockholders' equity and of cash flows present fairly, in all material respects, the financial position of Kronos Worldwide, Inc. and its subsidiaries at December 31, 2010 and 2011 and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2011 in conformity with accounting principles generally accepted in the United States of America. In addition, in our opinion, the financial statement schedule listed in the accompanying index presents fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2011, based on criteria established in *Internal Control—Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these financial statements and financial statement schedule, for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control Over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on these financial statements, on the financial statement schedule, and on the Company's internal control over financial reporting based on our audits (which were integrated audits in 2011 and 2009). 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 audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

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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 (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) 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 (iii) 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.

/s/ PricewaterhouseCoopers LLP

Dallas, Texas  
March 5, 2012

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS**  
**(In millions, except per share data)**

	ASSETS	December 31,	
		2010	2011
<b>Current assets:</b>			
Cash and cash equivalents		\$ 304.7	\$ 82.5
Restricted cash		1.9	1.9
Marketable securities		—	20.9
Accounts and other receivables		231.2	270.3
Receivable from affiliate		—	29.6
Inventories		275.8	444.2
Prepaid expenses		6.1	5.7
Deferred income taxes		4.6	9.9
Total current assets		<u>824.3</u>	<u>865.0</u>
<b>Other assets:</b>			
Investment in TiO <sub>2</sub> manufacturing joint venture		96.2	89.2
Note receivable from Valhi		61.9	136.1
Marketable equity securities		49.7	98.4
Deferred income taxes		192.0	133.0
Other		9.9	16.7
Total other assets		<u>409.7</u>	<u>473.4</u>
<b>Property and equipment:</b>			
Land		44.3	43.2
Buildings		227.4	226.6
Equipment		1,008.6	1,018.0
Mining properties		115.9	114.9
Construction in progress		11.9	27.0
		1,408.1	1,429.7
Less accumulated depreciation and amortization		934.5	944.2
Net property and equipment		473.6	485.5
Total assets		<u>\$1,707.6</u>	<u>\$1,823.9</u>

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS (CONTINUED)**

(In millions, except per share data)

	December 31,	
	2010	2011
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Current maturities of long-term debt	\$ 2.2	\$ 2.2
Accounts payable and accrued liabilities	196.6	285.8
Payables to affiliates	9.6	8.6
Income taxes	7.0	25.2
Deferred income taxes	4.7	6.2
Total current liabilities	<u>220.1</u>	<u>328.0</u>
Noncurrent liabilities:		
Long-term debt	537.4	362.9
Deferred income taxes	33.2	41.0
Accrued pension cost	119.5	127.6
Accrued postretirement benefits cost	10.6	12.7
Other	25.6	27.4
Total noncurrent liabilities	<u>726.3</u>	<u>571.6</u>
Stockholders' equity:		
Common stock, \$.01 par value; 60.0 shares and 240.0 shares authorized; 115.9 and 115.9 shares issued	1.2	1.2
Additional paid-in capital	1,398.8	1,399.0
Retained deficit	(486.5)	(290.1)
Accumulated other comprehensive income (loss):		
Marketable securities	—	5.1
Currency translation	(65.1)	(91.8)
Defined benefit pension plans	(89.0)	(99.2)
Postretirement benefit (OPEB) plans	1.8	.1
Total stockholders' equity	<u>761.2</u>	<u>924.3</u>
Total liabilities and stockholders' equity	<u>\$1,707.6</u>	<u>\$1,823.9</u>

Commitments and contingencies (Notes 10 and 15)

See accompanying notes to consolidated financial statements.

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF OPERATIONS**  
**(In millions, except per share data)**

	Years ended December 31,		
	2009	2010	2011
Net sales	\$1,142.0	\$1,449.7	\$1,943.3
Cost of sales	1,011.7	1,104.4	1,194.9
Gross margin	130.3	345.3	748.4
Selling, general and administrative expense	148.2	166.7	195.0
Other operating income (expense):			
Currency transaction gains, net	9.9	7.8	3.0
Disposition of property and equipment	(.9)	(1.8)	(1.0)
Other income, net	.6	1.0	.1
Corporate expense	(7.4)	(7.2)	(9.0)
Income (loss) from operations	(15.7)	178.4	546.5
Other income (expense):			
Interest and dividend income	.2	.7	7.0
Marketable securities transaction losses, net	—	—	(6)
Loss on prepayment of debt, net	—	—	(3.1)
Interest expense	(41.4)	(38.8)	(32.7)
Income (loss) before income taxes	(56.9)	140.3	517.1
Provision for income taxes (benefit)	(22.2)	9.7	196.1
Net income (loss)	\$ (34.7)	\$ 130.6	\$ 321.0
Net income (loss) per basic and diluted Share	\$ (.35)	\$ 1.29	\$ 2.77
Basic and diluted weighted average shares used in the calculation of net income (loss) per share	97.9	100.8	115.9

See accompanying notes to consolidated financial statements.

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)**  
**(In millions)**

	<u>Years ended December 31,</u>		
	<u>2009</u>	<u>2010</u>	<u>2011</u>
Net income (loss)	<u>\$ (34.7)</u>	<u>\$ 130.6</u>	<u>\$ 321.0</u>
Other comprehensive income (loss), net of tax:			
Marketable securities	<u>—</u>	<u>—</u>	<u>5.1</u>
Currency translation	<u>24.1</u>	<u>.1</u>	<u>(26.7)</u>
Pension plans:			
Amortization of prior service cost, net transition obligation and net losses included in periodic pension cost	5.1	4.9	6.5
Net actuarial gain (loss) arising during year	2.5	(10.2)	(16.7)
Plan amendments	<u>—</u>	<u>(2.7)</u>	<u>—</u>
	<u>7.6</u>	<u>(8.0)</u>	<u>(10.2)</u>
OPEB plans:			
Amortization of prior service credit and net losses included in periodic OPEB cost	(.1)	—	(.3)
Net actuarial loss arising during year	(2.4)	(1.2)	(1.4)
Plan amendments	<u>—</u>	<u>4.1</u>	<u>—</u>
	<u>(2.5)</u>	<u>2.9</u>	<u>(1.7)</u>
Total other comprehensive income (loss)	<u>29.2</u>	<u>(5.0)</u>	<u>(33.5)</u>
Comprehensive income (loss)	<u>\$ (5.5)</u>	<u>\$ 125.6</u>	<u>\$ 287.5</u>

See accompanying notes to consolidated financial statements.

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY**  
**Years ended December 31, 2009, 2010 and 2011**  
(In millions)

	Common stock	Additional paid-in capital	Retained earnings (deficit)	Accumulated other comprehensive income (loss)			Total	
				Marketable securities	Currency translation	Pension plans		OPEB plans
Balance at December 31, 2008	\$ 1.1	\$1,061.2	\$(567.9)	\$ —	\$ (89.3)	\$(88.6)	\$ 1.4	\$ 317.9
Net loss	—	—	(34.7)	—	—	—	—	(34.7)
Other comprehensive income (loss), net of tax	—	—	—	—	24.1	7.6	(2.5)	29.2
Issuance of common stock	—	.1	—	—	—	—	—	.1
Balance at December 31, 2009	1.1	1,061.3	(602.6)	—	(65.2)	(81.0)	(1.1)	312.5
Net income	—	—	130.6	—	—	—	—	130.6
Other comprehensive income (loss), net of tax	—	—	—	—	.1	(8.0)	2.9	(5.0)
Issuance of common stock	.1	337.5	—	—	—	—	—	337.6
Dividends paid—\$.125 per share	—	—	(14.5)	—	—	—	—	(14.5)
Balance at December 31, 2010	1.2	1,398.8	(486.5)	—	(65.1)	(89.0)	1.8	761.2
Net income	—	—	321.0	—	—	—	—	321.0
Other comprehensive income (loss), net of tax	—	—	—	5.1	(26.7)	(10.2)	(1.7)	(33.5)
Issuance of common stock	—	.2	—	—	—	—	—	.2
Dividends paid—\$1.075 per share	—	—	(124.6)	—	—	—	—	(124.6)
Balance at December 31, 2011	\$ 1.2	\$1,399.0	\$(290.1)	\$ 5.1	\$ (91.8)	\$(99.2)	\$ .1	\$ 924.3

See accompanying notes to consolidated financial statements.



**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
**(In millions)**

	Years ended December 31,		
	2009	2010	2011
Cash flows from operating activities:			
Net income (loss)	\$(34.7)	\$ 130.6	\$ 321.0
Depreciation and amortization	47.0	44.7	47.5
Deferred income taxes	(21.9)	(23.8)	63.8
Loss on prepayment of debt, net	—	—	3.1
Call premium paid	—	—	(2.5)
Benefit plan expense greater (less) than cash funding:			
Defined benefit pension plans	(1.2)	(2.0)	.7
Other postretirement benefit plans	.2	.7	(2)
Distributions from TiO <sub>2</sub> manufacturing joint venture, net	7.7	2.4	3.8
Other, net	5.1	5.4	7.3
Change in assets and liabilities:			
Accounts and other receivables	(5.6)	(52.4)	(48.2)
Inventories	99.4	7.1	(183.8)
Prepaid expenses	(1.3)	2.7	.3
Accounts payable and accrued liabilities	5.4	(9.0)	94.8
Income taxes	.4	7.1	19.4
Accounts with affiliates	(3.7)	(.7)	(29.8)
Other noncurrent assets	.5	(.4)	(3.2)
Other noncurrent liabilities	(11.0)	13.6	1.6
Net cash provided by operating activities	<u>86.3</u>	<u>126.0</u>	<u>295.6</u>
Cash flows from investing activities:			
Capital expenditures	(23.7)	(37.7)	(68.6)
Loan to Valhi:			
Loans	—	(114.8)	(214.7)
Collections	—	52.9	140.5
Proceeds from sale of marketable securities – mutual funds	—	—	251.0
Purchase of marketable securities:			
TIMET common stock	—	(43.5)	(30.4)
Valhi common stock	—	(2.5)	(12.8)
Mutual funds	—	(.1)	(272.8)
Change in restricted cash	—	(.1)	(5.2)
Other, net	—	—	(5.1)
Net cash used in investing activities	<u>(23.7)</u>	<u>(145.8)</u>	<u>(218.1)</u>

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS (CONTINUED)**  
**(In millions)**

	<b>Years ended December 31,</b>		
	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>Cash flows from financing activities:</b>			
Indebtedness:			
Borrowings	284.5	229.0	<b>113.3</b>
Principal payments	(333.7)	(256.2)	<b>(288.1)</b>
Deferred financing fees	(.6)	(.8)	—
Issuance of common stock	—	337.6	—
Dividends paid	—	(14.5)	<b>(124.6)</b>
Other, net	—	—	<b>(.2)</b>
Net cash provided by (used in) financing activities	<u>(49.8)</u>	<u>295.1</u>	<u>(299.6)</u>
<b>Cash and cash equivalents—net change from:</b>			
Operating, investing and financing activities	\$ 12.8	\$ 275.3	<b>\$(222.1)</b>
Effect of exchange rate changes on cash	4.7	(1.7)	<b>(.1)</b>
Net change for the year	17.5	273.6	<b>(222.2)</b>
Balance at beginning of year	13.6	31.1	304.7
Balance at end of year	<u>\$ 31.1</u>	<u>\$ 304.7</u>	<u>\$ 82.5</u>
<b>Supplemental disclosures – Cash paid for:</b>			
Interest, net of amounts capitalized	\$ 39.4	\$ 36.3	<b>\$ 35.3</b>
Income taxes	2.7	24.0	<b>104.7</b>
Accrual for capital expenditures	4.4	9.6	<b>16.7</b>
Capital lease obligation incurred	5.9	—	—

See accompanying notes to consolidated financial statements.

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**Note 1—Summary of significant accounting policies:**

**Organization and basis of presentation**—At December 31, 2011, (i) Valhi, Inc. (NYSE:VHI) held approximately 50% of our outstanding common stock (ii) NL Industries, Inc. (NYSE:NL) held approximately 30% of our common stock, (iii) Valhi owned approximately 83% of NL's outstanding common stock and (iv) Contran Corporation and its subsidiaries held approximately 95% of Valhi's outstanding common stock. Substantially all of Contran's outstanding voting stock is held by trusts established for the benefit of certain children and grandchildren of Harold C. Simmons (for which Mr. Simmons is the sole trustee), or is held by Mr. Simmons or other persons or entities related to Mr. Simmons. Consequently, Mr. Simmons may be deemed to control Contran, Valhi and us.

Unless otherwise indicated, references in this report to “we,” “us” or “our” refers to Kronos Worldwide, Inc. and its subsidiaries, taken as a whole.

**Management's estimates**—In preparing our financial statements in conformity with accounting principles generally accepted in the United States of America (GAAP) we are required to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amount of revenues and expenses during the reporting period. Actual results may differ significantly from previously-estimated amounts under different assumptions or conditions.

**Principles of consolidation**—The consolidated financial statements include our accounts and those of our majority-owned subsidiaries. We have eliminated all material intercompany accounts and balances.

**Translation of currencies**—We translate the assets and liabilities of our subsidiaries whose functional currency is other than the U.S. dollar at year-end exchange rates, while we translate our revenues and expenses at average exchange rates prevailing during the year. We accumulate the resulting translation adjustments in stockholders' equity as part of accumulated other comprehensive income (loss), net of related deferred income taxes. We recognize currency transaction gains and losses in income currently.

**Derivatives and hedging activities**—We recognize derivatives as either assets or liabilities measured at fair value. We recognize the effect of changes in the fair value of derivatives either in net income (loss) or other comprehensive income (loss), depending on the intended use of the derivative.

**Cash and cash equivalents**—We classify bank time deposits and U.S. Treasury securities purchased under short-term agreements to resell with original maturities of three months or less as cash equivalents.

**Restricted cash and cash equivalents** – We classify cash and cash equivalents that have been segregated or are otherwise limited in use as restricted. To the extent the restricted amount relates to a recognized liability, we classify such restricted amount as either a current or noncurrent asset to correspond with the classification of the liability. To the extent the restricted amount does not relate to a recognized liability, we classify restricted cash as a current asset. See Note 7.

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**Marketable securities and securities transactions**—We carry marketable debt and equity securities at fair value. Accounting Standard Codification (“ASC”) Topic 820, *Fair Value Measurements and Disclosures*, establishes a consistent framework for measuring fair value and (with certain exceptions) this framework is generally applied to all financial statement items required to be measured at fair value. The standard requires fair value measurements to be classified and disclosed in one of the following three categories:

- Level 1 – Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities;
- Level 2 – Quoted prices in markets that are not active, or inputs which are observable, either directly or indirectly, for substantially the full term of the assets or liability; and
- Level 3 – Prices or valuation techniques that require inputs that are both significant to the fair value measurement and unobservable.

We classify all of our marketable securities as available-for-sale and unrealized gains or losses on these securities are recognized through other comprehensive income, except for any decline in value we conclude is other than temporary, which is accounted for as a realized loss. We base realized gains and losses upon the specific identification of the securities sold.

We evaluate our investments whenever events or conditions occur to indicate that the fair value of such investments has declined below their carrying amounts. If the carrying amount for an investment declines below its historical cost basis, we evaluate all available positive and negative evidence including, but not limited to, the extent and duration of the impairment, business prospects for the investee and our intent and ability to hold the investment for a reasonable period of time sufficient for the recovery of fair value. If we determine the decline in fair value is other than temporary, the carrying amount of the investment is written down to fair value.

See Notes 6, 11 and 16.

**Accounts receivable**—We provide an allowance for doubtful accounts for known and estimated potential losses arising from sales to customers based on a periodic review of these accounts.

**Inventories and cost of sales**—We state inventories at the lower of cost or market, net of allowance for obsolete and slow-moving inventories. We generally base inventory costs for all inventory categories on average cost that approximates the first-in, first-out method. Inventories include the costs for raw materials, the cost to manufacture the raw materials into finished goods and overhead. Depending on the inventory’s stage of completion, our manufacturing costs can include the costs of packing and finishing, utilities, maintenance, depreciation, and salaries and benefits associated with our manufacturing process. We allocate fixed manufacturing overheads based on normal production capacity. Unallocated overhead costs resulting from periods with abnormally low production levels are charged to expense as incurred. As inventory is sold to third parties, we recognize the cost of sales in the same period that the sale occurs. We periodically review our inventory for estimated obsolescence or instances when inventory is no longer marketable for its intended use, and we record any write-down equal to the difference between the cost of inventory and its estimated net realizable value based on assumptions about alternative uses, market conditions and other factors.

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**Investment in TiO<sub>2</sub> manufacturing joint venture**—We account for our investment in a 50%-owned manufacturing joint venture by the equity method. See Note 5.

**Property and equipment and depreciation**—We state property and equipment at cost, including capitalized interest on borrowings during the actual construction period of major capital projects. Capitalized interest costs were \$1.1 million in 2009, \$.9 million in 2010 and \$1.0 million in 2011. We compute depreciation of property and equipment for financial reporting purposes (including mining equipment) principally by the straight-line method over the estimated useful lives of the assets as follows:

<u>Asset</u>	<u>Useful lives</u>
Buildings and improvements	10 to 40 years
Machinery and equipment	3 to 20 years
Mine development costs	units-of-production

We use accelerated depreciation methods for income tax purposes, as permitted. Upon the sale or retirement of an asset, we remove the related cost and accumulated depreciation from the accounts and recognize any gain or loss in income currently.

We expense costs incurred for maintenance, repairs and minor renewals (including planned major maintenance) while we capitalize expenditures for major improvements.

We have a governmental concession with an unlimited term to operate our ilmenite mines in Norway. Mining properties consist of buildings and equipment used in our Norwegian ilmenite mining operations and costs associated with the development of a new mine area which commenced production in 2009. While we own the land and ilmenite reserves associated with the mining operations, such land and reserves were acquired for nominal value and we have no material asset recognized for the land and reserves related to our mining operations.

We perform impairment tests when events or changes in circumstances indicate the carrying value may not be recoverable. We consider all relevant factors. We perform the impairment test by comparing the estimated future undiscounted cash flows (exclusive of interest expense) associated with the asset to the asset's net carrying value to determine if a write-down to market value or discounted cash flow value is required.

**Long-term debt**—We state long-term debt net of any unamortized original issue premium or discount. We classify amortization of deferred financing costs and any premium or discount associated with the issuance of indebtedness as interest expense and compute such amortization by the interest method over the term of the applicable issue.

**Employee benefit plans**—Accounting and funding policies for our retirement plans are described in Note 11.

**Income taxes**—We, Valhi and our qualifying subsidiaries are members of Contran's consolidated U.S. federal income tax group (the "Contran Tax Group") and we and certain of our qualifying subsidiaries also file consolidated income tax returns with Contran in various U.S. state jurisdictions. As a member of the Contran Tax Group, we are jointly and severally liable for the federal income tax liability of Contran and the other companies included in

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the Contran Tax Group for all periods in which we are included in the Contran Tax Group. See Note 15. As a member of the Contran Tax Group, we are a party to a tax sharing agreement which provides that we compute our provision for U.S. income taxes on a separate-company basis using the tax elections made by Contran. Pursuant to the tax sharing agreement, we make payments to or receive payments from Valhi in amounts we would have paid to or received from the U.S. Internal Revenue Service or the applicable state tax authority had we not been a member of the Contran Tax Group. We made net payments of income taxes to Valhi of \$.5 million in 2009, \$13.6 million in 2010, and \$43.5 in 2011.

We recognize deferred income tax assets and liabilities for the expected future tax consequences of temporary differences between the income tax and financial reporting carrying amounts of assets and liabilities, including investments in our subsidiaries and affiliates who are not members of the Contran Tax Group and undistributed earnings of non-U.S. subsidiaries which are not deemed to be permanently reinvested. The earnings of non-U.S. subsidiaries subject to permanent reinvestment plans aggregated \$767 million at December 31, 2010 and \$946 million at December 31, 2011. It is not practical for us to determine the amount of the unrecognized deferred income tax liability related to such earnings due to the complexities associated with the U.S. taxation on earnings of non-U.S. subsidiaries repatriated to the U.S. We periodically evaluate our deferred tax assets in the various taxing jurisdictions in which we operate and adjust any related valuation allowance based on the estimate of the amount of such deferred tax assets that we believe does not meet the more-likely-than-not recognition criteria.

We record a reserve for uncertain tax positions for tax positions where we believe that it is more-likely-than-not our position will not prevail with the applicable tax authorities. The amount of the benefit associated with our uncertain tax positions that we recognize is limited to the largest amount for which we believe the likelihood of realization is greater than 50%. We accrue penalties and interest on the difference between tax positions taken on our tax returns and the amount of benefit recognized for financial reporting purposes. We classify our reserves for uncertain tax positions in a separate current or noncurrent liability, depending on the nature of the tax position. See Note 10.

**Net sales**—We record sales when products are shipped and title and other risks and rewards of ownership have passed to the customer, or when services are performed. Shipping terms of products shipped are generally FOB shipping point, although in some instances shipping terms are FOB destination point (for which we do not recognize sales until the product is received by the customer) or other standard shipping terms. We state sales net of price, early payment and distributor discounts and volume rebates. We report any tax assessed by a governmental authority that we collect from our customers that is both imposed on and concurrent with our revenue-producing activities (such as sales, use, value added and excise taxes) on a net basis (meaning we do not recognize these taxes either in our revenues or in our costs and expenses).

**Selling, general and administrative expense; shipping and handling costs**—Selling, general and administrative expense includes costs related to marketing, sales, distribution, shipping and handling, research and development, legal, and administrative functions such as accounting, treasury and finance, and includes costs for salaries and benefits, travel and entertainment, promotional materials and professional fees. We include shipping and handling costs in selling, general and administrative expense and these costs were \$74 million in 2009, \$83 million in 2010 and \$93 million

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in 2011. We expense advertising costs as incurred and these costs were \$1 million in each of 2009, 2010 and 2011. We expense research, development and certain sales technical support costs as incurred and these costs approximated \$12 million in 2009, \$13 million in 2010 and \$20 million in 2011.

**Note 2—Geographic information:**

Our operations are associated with the production and sale of titanium dioxide pigments (“TiO<sub>2</sub>”). TiO<sub>2</sub> is used to impart whiteness, brightness and opacity to a wide variety of products, including paints, plastics, paper, fibers and ceramics. At December 31, 2010 and 2011 the net assets of non-U.S. subsidiaries included in consolidated net assets approximated \$257 million and \$478.2 million, respectively.

For geographic information, we attribute net sales to the place of manufacture (point of origin) and to the location of the customer (point of destination); we attribute property and equipment to their physical location.

	Years ended December 31,		
	2009	2010	2011
(In millions)			
<b>Geographic areas</b>			
Net sales – point of origin:			
Germany	\$ 616.5	\$ 714.2	<b>\$1,039.7</b>
United States	422.6	564.7	<b>749.6</b>
Canada	177.2	245.4	<b>301.7</b>
Belgium	164.4	209.1	<b>301.8</b>
Norway	139.5	188.3	<b>245.1</b>
Eliminations	(378.2)	(472.0)	<b>(694.6)</b>
Total	<u>\$1,142.0</u>	<u>\$1,449.7</u>	<u><b>\$1,943.3</b></u>
Net sales – point of destination:			
Europe	\$ 669.6	\$ 822.2	<b>\$1,141.4</b>
North America	319.5	417.8	<b>498.5</b>
Other	152.9	209.7	<b>303.4</b>
Total	<u>\$1,142.0</u>	<u>\$1,449.7</u>	<u><b>\$1,943.3</b></u>
December 31,			
(In millions)			
Identifiable assets -net property and equipment:			
Germany	\$236.3	<b>\$229.5</b>	
Norway	95.2	<b>96.6</b>	
Canada	68.4	<b>68.0</b>	
Belgium	66.3	<b>83.2</b>	
Other	7.4	<b>8.2</b>	
Total	<u>\$473.6</u>	<u><b>\$485.5</b></u>	

[Table of Contents](#)**Note 3—Accounts and other receivables:**

	December 31,	
	2010	2011
	(In millions)	
Trade receivables	\$ 202.2	\$ 247.2
Recoverable VAT and other receivables	29.9	22.3
Refundable income taxes	1.3	2.0
Allowance for doubtful accounts	(2.2)	(1.2)
Total	<u>\$ 231.2</u>	<u>\$ 270.3</u>

**Note 4—Inventories:**

	December 31,	
	2010	2011
	(In millions)	
Raw materials	\$ 52.1	\$ 89.6
Work in process	13.6	17.3
Finished products	154.6	280.7
Supplies	55.5	56.6
Total	<u>\$ 275.8</u>	<u>\$ 444.2</u>

**Note 5—Investment in TiO<sub>2</sub> manufacturing joint venture:**

We own a 50% interest in Louisiana Pigment Company, L.P. (“LPC”). LPC is a manufacturing joint venture whose other 50%-owner is Tioxide Americas Inc. (“Tioxide”). Tioxide is a wholly-owned subsidiary of Huntsman Corporation. LPC owns and operates a chloride-process TiO<sub>2</sub> plant in Lake Charles, Louisiana.

We and Tioxide are both required to purchase one-half of the TiO<sub>2</sub> produced by LPC. LPC operates on a break-even basis and, accordingly, we report no equity in earnings of LPC. Each owner’s acquisition transfer price for its share of the TiO<sub>2</sub> produced is equal to its share of the joint venture’s production costs and interest expense, if any. Our share of net cost is reported as cost of sales as the related TiO<sub>2</sub> acquired from LPC is sold. We report distributions we receive from LPC, which generally relate to excess cash generated by LPC from its non-cash production costs, and contributions we make to LPC, which generally relate to cash required by LPC when it builds working capital, as part of our cash flows from operating activities in our Consolidated Statements of Cash Flows. The components of our net distributions from LPC are shown in the table below.

	Years ended December 31,		
	2009	2010	2011
	(In millions)		
Distributions from LPC	\$ 22.7	\$ 26.1	\$ 29.7
Contributions to LPC	(15.0)	(23.7)	(25.9)
Net distributions from	<u>\$ 7.7</u>	<u>\$ 2.4</u>	<u>\$ 3.8</u>



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Summary balance sheets of LPC are shown below:

	December 31,	
	2010	2011
(In millions)		
<b>ASSETS</b>		
Current assets	\$ 68.6	<b>\$108.5</b>
Property and equipment, net	154.4	<b>140.7</b>
Total assets	<u>\$223.0</u>	<u>\$249.2</u>
<b>LIABILITIES AND PARTNERS' EQUITY</b>		
Other liabilities, primarily current	\$ 27.9	<b>\$ 68.0</b>
Partners' equity	195.1	<b>181.2</b>
Total liabilities and partners' equity	<u>\$223.0</u>	<u>\$249.2</u>

Summary income statements of LPC are shown below:

	Years ended December 31,		
	2009	2010	2011
(In millions)			
<b>Revenues and other income:</b>			
Kronos	\$121.2	\$133.7	<b>\$144.8</b>
Tioxide	121.8	134.5	<b>145.7</b>
	<u>243.0</u>	<u>268.2</u>	<u>290.5</u>
<b>Cost and expenses:</b>			
Cost of sales	242.5	267.7	<b>290.1</b>
General and administrative	.5	.5	<b>.4</b>
	<u>243.0</u>	<u>268.2</u>	<u>290.5</u>
Net income	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>

**Note 6 — Marketable securities:**

Our marketable securities include investments in mutual funds and in the publicly-traded shares of related parties: Titanium Metals Corporation ("TIMET"), Valhi, NL and CompX International Inc. Contran, Mr. Harold Simmons and persons and other entities related to Mr. Simmons own a majority of TIMET's outstanding common stock and NL owns a majority of CompX's outstanding common stock. All of our marketable securities are accounted for as available-for-sale securities, which are carried at fair value using quoted market prices in active markets for each marketable security and represent a Level 1 input within the fair value hierarchy. See Note 16. Because we have classified all of our marketable securities as available-for-sale, any unrealized gains or losses on the securities are recognized through other comprehensive income.

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<u>Marketable security</u>	<u>Fair value measurement level</u>	<u>Market value</u>	<u>Cost basis</u>	<u>Unrealized gains (losses)</u>
<b>December 31, 2010:</b>				
Noncurrent assets:				
TIMET common stock	1	\$ 46.9	\$46.9	\$ —
Valhi common stock	1	2.7	2.7	—
NL and CompX common stocks	1	.1	.1	—
Total		<u>\$ 49.7</u>	<u>\$49.7</u>	<u>\$ —</u>
<b>December 31, 2011:</b>				
Current assets:				
Mutual funds	1	<u>\$ 20.9</u>	<u>\$21.1</u>	<u>\$ (.2)</u>
Noncurrent assets:				
TIMET common stock	1	63.6	73.9	(10.3)
Valhi common stock	1	34.7	15.3	19.4
NL and CompX common stocks	1	.1	.1	—
Total		<u>\$ 98.4</u>	<u>\$89.3</u>	<u>\$ 9.1</u>

At December 31, 2011, we held approximately 4.2 million shares, or 2.4%, of TIMET's outstanding common stock and approximately .6 million shares of Valhi's common stock. We also held a nominal number of shares of CompX and NL common stocks. During 2011, we purchased an aggregate of 1.5 million shares of TIMET common stock and .5 million shares of Valhi common stock for an aggregate of \$27.0 million and \$12.6 million, respectively (during 2010, an aggregate of 2.7 million shares of TIMET common stock and .1 million shares of Valhi common stock were purchased for an aggregate of \$46.9 million and \$2.7 million, respectively). At December 31, 2011, the quoted per share market price of TIMET's and Valhi's common stock was \$14.98 and \$60.47, respectively (December 31, 2010—\$17.18 and \$22.11, respectively).

The TIMET, Valhi, CompX and NL common stocks we own are subject to the restrictions on resale pursuant to certain provisions of the Securities and Exchange Commission ("SEC") Rule 144. In addition, as a majority-owned subsidiary of Valhi we cannot vote our shares of Valhi common stock under Delaware Corporation Law, but we do receive dividends from Valhi on these shares, when declared and paid.

Because we have classified all of our marketable securities as available-for-sale, any unrealized gains or losses on the securities are recognized through other comprehensive income. With respect to our investment in TIMET, our cost basis has continuously exceeded its market value since October 2011, but we consider such decline in market price to be temporary at December 31, 2011. We considered all available evidence in reaching this conclusion, including our ability and intent to hold this investment for a reasonable period of time sufficient for the recovery of fair value, as evidenced by the amount of liquidity we currently have with cash on hand and our borrowing availability. We will continue to monitor the quoted market prices for this investment. In this regard, as of January 19, 2012, the aggregate quoted market price for our shares of TIMET common stock was only \$4.2 million less than our aggregate cost basis. If we conclude in the future that a decline in value of one or more of these securities was other than temporary, we would recognize an impairment through an income statement charge at that time. Such income statement impairment charge would be offset in other comprehensive income by the reversal of the previously recognized unrealized losses to the extent they were previously recognized in accumulated other comprehensive income.

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At December 31, 2011, we held investments in various mutual funds which have a primary investment objective of holding corporate and government debt securities from U.S. and other markets. These funds have daily liquidity and are held for the temporary investment of cash available for our current operations in order to generate a higher return than would be available if such funds were invested in an asset qualifying for classification as a cash equivalent and accordingly we have classified our investments in these mutual funds as a current asset.

### Note 7—Other noncurrent assets:

	December 31,	
	2010	2011
	(In millions)	
Deferred financing costs, net	\$ 4.4	\$ 2.0
Restricted cash	—	5.4
Pension asset	.3	—
Other	5.2	9.3
Total	<u>\$ 9.9</u>	<u>\$ 16.7</u>

### Note 8—Accounts payable and accrued liabilities:

	December 31,	
	2010	2011
	(In millions)	
Accounts payable	\$ 119.2	\$ 186.6
Employee benefits	34.1	35.3
Accrued sales discounts and rebates	11.3	11.9
Accrued interest	7.4	5.0
Other	24.6	47.0
Total	<u>\$ 196.6</u>	<u>\$ 285.8</u>

### Note 9—Long-term debt:

	December 31,	
	2010	2011
	(In millions)	
Kronos International, Inc. 6.5% Senior Secured Notes	\$ 532.8	\$ 360.6
European credit facility	—	—
Other	6.8	4.5
Total debt	539.6	365.1
Less current maturities	2.2	2.2
Total long-term debt	<u>\$ 537.4</u>	<u>\$ 362.9</u>

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**Senior Secured Notes**—In April 2006, Kronos International, Inc. (“KII”), one of our wholly-owned subsidiaries, issued €400 million principal amount of 6.5% Senior Secured Notes (“6.5% Notes”) due 2013 at 99.306% of the principal amount (\$498.5 million when issued). We collateralized the 6.5% Notes with a pledge of 65% of the common stock or other ownership interests of certain of our first-tier European operating subsidiaries: Kronos Titan GmbH, Kronos Denmark ApS, Kronos Limited and Société Industrielle du Titane, S.A. We issued the 6.5% Notes pursuant to an indenture which contains a number of covenants and restrictions which, among other things, restricts our ability to incur additional debt, incur liens, pay dividends or merge or consolidate with, or sell or transfer all or substantially all of the assets to, another entity. At our option, we may redeem the 6.5% Notes at redemption prices of 102.167% of the principal amount through October 2011, declining to 101.08% of the principal amount through October 2012 and 100% of the principal amount on or after October 15, 2012. In this regard, in March 2011, we redeemed €80 million principal amount of the 6.5% Notes at 102.167% of the principal amount for an aggregate of \$115.7 million, including a \$2.5 million call premium. During the third and fourth quarters of 2011, we repurchased in open market transactions an aggregate of €40.8 million principal amount of the 6.5% notes for an aggregate of €40.6 million (an aggregate of \$57.6 million when repurchased). Following such partial redemption and repurchases, €279.2 million principal amount of Senior Notes remain outstanding. We recognized a \$3.3 million pre-tax interest charge related to the redemption of €80 million of the 6.5% Senior Secured Notes consisting of the call premium, the write-off of unamortized deferred financing costs and original issue discount associated with the redeemed Senior Notes. We recognized a \$2 million net gain on the €40.8 million principal amount of Senior Notes repurchased in open market transactions. We borrowed under our European revolving credit facility, as discussed below, in order to fund the redemption in March 2011, while we used cash on hand to fund the open market repurchases.

In the event of a change of control, as defined in the agreement, we would be required to make an offer to purchase our 6.5% Notes at 101% of the principal amount. We would also be required to make an offer to purchase a specified portion of our 6.5% Notes at par value in the event we generate a certain amount of net proceeds from the sale of assets outside the ordinary course of business, and such net proceeds are not otherwise used for specified purposes within a specified time period. The indenture also contains certain cross-referenced provisions, as discussed below. The carrying amount of the 6.5% Notes includes unamortized original issue discount of €0.9 million (\$1.2 million) and €0.4 million (\$0.5 million) at December 31, 2010 and 2011, respectively.

### **Revolving credit facilities**

**Europe**—Our operating subsidiaries in Germany, Belgium, Norway and Denmark have a €80 million secured revolving bank credit facility that, as amended, matures in October 2013. We may denominate borrowings in euros, Norwegian kroner or U.S. dollars. We may also issue up to €5 million of letters of credit. Outstanding borrowings bear interest at rates ranging from LIBOR plus 1.75% to LIBOR plus 1.5%. The facility is collateralized by the accounts receivable and inventories of the borrowers, plus a limited pledge of all of the other assets of the Belgian borrower. The facility contains certain restrictive covenants that, among other things, restrict the ability of the borrowers to incur debt, incur liens, pay dividends or merge or consolidate with, or sell or transfer all or substantially all of the assets to, another entity. In addition, the credit facility contains customary cross-default provisions with respect to other debt and obligations of the borrowers, KII and its other subsidiaries.

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During 2011, we borrowed €80 million (\$113.3 million when borrowed) under our European credit facility, and subsequently repaid €80 million (\$115.0 million when repaid). As of December 31, 2011, there were no outstanding borrowings under our European credit facility and the equivalent of \$103.5 million was available for borrowing under this facility.

*Canada* – In December 2011, our Canadian subsidiary entered into a Cdn. \$10.0 million loan agreement with the Bank of Montreal for the limited purpose of issuing letters of credit. The facility renews annually. Letters of credit are collateralized by restricted deposits at the Bank of Montreal (\$5.1 million at December 31, 2011). The facility contains certain restrictive covenants which, among other things, restrict the subsidiary from incurring additional indebtedness in excess of Cdn. \$20 million. At December 31, 2011, an aggregate of Cdn. \$5.2 million letters of credit were outstanding under this facility. In February 2012, an additional letter of credit was issued under this facility for Cdn. \$2.1 million.

In December 2011, our Canadian subsidiary entered into an agreement with an economic development agency of the Province of Quebec, Canada pursuant to which we may borrow up to Cdn. \$7.1 million from such agency. Borrowings may only be used to fund capital improvements at our Canadian plant, and are limited to a specified percentage of such capital improvements. Borrowings are non-interest bearing, with monthly payments commencing in 2017. The agreement contains certain restrictive covenants, which, among other things, restricts the subsidiary's ability to sell assets or enter into mergers, and requires our subsidiary to maintain certain financial ratios and maintain specified levels of employment. At December 31, 2011, we had no borrowings under this agreement.

*Other* – We voluntarily terminated our U.S. subsidiaries' \$70 million revolving credit facility in February 2011 and our Canadian subsidiary's Cdn. \$20 million revolving credit facility in January 2011, in each case with no outstanding borrowings at such date.

**Note payable to affiliate**—From time to time, companies related to Contran will have loans and advances outstanding between them and various related parties pursuant to term and demand notes. In this regard, in April 2010 we entered into an unsecured revolving credit note with Contran pursuant to which we could borrow up to \$40 million from Contran. Our loans from Contran bore interest, payable quarterly, at the prime rate minus 0.5%, with all outstanding principal due on demand and in any event no later than December 31, 2011. The principal amount borrowed at any time was solely at the discretion of Contran. This facility terminated upon its maturity in December 2011. See Note 14.

**Restrictions and other**—Aggregate maturities of long-term debt at December 31, 2011 are:

<u>Years ending December 31,</u>	<u>Amount</u> <u>(In millions)</u>
2012	\$ 2.2
2013	361.7
2014	.5
2015	.4
2016	.3
Total	<u>\$ 365.1</u>

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Under the cross-default provisions of the 6.5% Notes, the 6.5% Notes may be accelerated prior to their stated maturity if KII or any of KII's subsidiaries default under any other indebtedness in excess of \$20 million due to a failure to pay the other indebtedness at its due date (including any due date that arises prior to the stated maturity as a result of a default under the other indebtedness). Under the cross-default provisions of the European revolving credit facility, any outstanding borrowings under the facility may be accelerated prior to their stated maturity if the borrowers or KII default under any other indebtedness in excess of €5 million due to a failure to pay the other indebtedness at its due date (including any due date that arises prior to the stated maturity as a result of a default under the other indebtedness). The European revolving credit facility contains provisions that allow the lender to accelerate the maturity of the applicable facility in the event of a change of control, as defined in the respective agreement, of the applicable borrower. In the event any of these cross-default or change-of-control provisions become applicable, and the indebtedness is accelerated, we would be required to repay the indebtedness prior to its stated maturity.

Our European credit facility described above requires the respective borrowers to maintain minimum levels of equity, require the maintenance of certain financial ratios, limit dividends and additional indebtedness and contain other provisions and restrictive covenants customary in lending transactions of this type. We are in compliance with all of our debt covenants at December 31, 2011.

At December 31, 2011, the restricted net assets of consolidated subsidiaries approximated \$121.7 million. At December 31, 2011, there were no restrictions on our ability to pay dividends. The terms of the indenture governing the 6.5% Notes limit KII's ability to pay dividends and make other restricted payments. At December 31, 2011, the maximum amount of dividends and other restricted payments that KII could make (the "Restricted Payment Basket") was \$256.6 million.

### Note 10 — Income taxes:

	Years ended December 31,		
	2009	2010	2011
	(In millions)		
Pre-tax income (loss):			
U.S.	\$ 17.5	\$ 58.1	\$105.1
Non-U.S.	(74.4)	82.2	412.0
Total	<u>\$(56.9)</u>	<u>\$140.3</u>	<u>\$517.1</u>
Expected tax expense (benefit), at U.S. federal statutory income tax rate of 35%	<u>\$(19.9)</u>	<u>\$ 49.1</u>	<u>\$181.0</u>
Non-U.S. tax rates	1.4	(3.9)	(17.3)
German tax attribute adjustments	.2	(35.2)	—
Incremental U.S. tax on earnings of non-tax group companies	—	.2	28.8
Nondeductible expenses	2.0	1.9	2.9
U.S. state income taxes, net	.2	1.2	2.1
Uncertain tax positions, net	(4.7)	.7	1.6
Tax rate changes	—	(1.7)	.1
Other, net	(1.4)	(2.6)	(3.1)
Provision for income taxes (benefit)	<u>\$(22.2)</u>	<u>\$ 9.7</u>	<u>\$196.1</u>

	Years ended December 31,		
	2009	2010	2011
	(In millions)		
<b>Components of income tax expense (benefit):</b>			
Currently payable (refundable):			
U.S. federal and state	\$ 1.9	\$ 16.7	\$ 52.0
Non-U.S.	2.5	16.2	78.7
	<u>4.4</u>	<u>32.9</u>	<u>130.7</u>
Deferred income taxes (benefit):			
U.S. federal and state	2.5	(3.4)	3.9
Non-U.S.	(29.1)	(19.8)	61.5
	<u>(26.6)</u>	<u>(23.2)</u>	<u>65.4</u>
Provision for income taxes (benefit)	<u>\$ (22.2)</u>	<u>\$ 9.7</u>	<u>\$ 196.1</u>

	Years ended December 31,		
	2009	2010	2011
	(In millions)		
<b>Comprehensive provision for income taxes (benefit) allocable to:</b>			
Net income (loss)	\$(22.2)	\$ 9.7	\$ 196.1
Other comprehensive income (loss):			
Pension plans	3.1	(2.8)	(3.3)
OPEB plans	(.9)	1.3	(.7)
Marketable securities	—	—	3.1
Total	<u>\$ (20.0)</u>	<u>\$ 8.2</u>	<u>\$ 195.2</u>

The components of our net deferred income taxes at December 31, 2010 and 2011 are summarized in the following table.

	December 31,			
	2010		2011	
	Assets	Liabilities	Assets	Liabilities
	(In millions)			
Tax effect of temporary differences related to:				
Inventories	\$ 2.0	\$ (3.8)	\$ 7.5	\$ (6.4)
Property and equipment	—	(62.4)	—	(67.3)
Accrued postretirement benefits other than pension (“OPEB”) costs	3.1	—	3.7	—
Accrued pension cost	7.4	—	10.9	—
Other accrued liabilities and deductible differences	16.0	—	12.5	—
Other taxable differences	—	(5.5)	—	(6.7)
Tax on unremitted earnings of non-U.S. subsidiaries	—	(3.2)	—	(14.4)
Tax loss and tax credit carryforwards	205.6	—	156.1	—
Valuation allowance	(0.5)	—	(0.2)	—
Adjusted gross deferred tax assets (liabilities)	233.6	(74.9)	190.5	(94.8)
Netting of items by tax jurisdiction	(37.0)	37.0	(47.6)	47.6
	196.6	(37.9)	142.9	(47.2)
Less net current deferred tax asset (liability)	4.6	(4.7)	9.9	(6.2)
Net noncurrent deferred tax asset (liability)	<u>\$ 192.0</u>	<u>\$ (33.2)</u>	<u>\$ 133.0</u>	<u>\$ (41.0)</u>

Our provision for income taxes in the third and fourth quarters of 2011 includes an aggregate of \$17.2 million for U.S. incremental income taxes on current earnings repatriated from our German subsidiary, which earnings were used to fund a portion of the repurchases of our Senior Secured Notes discussed in Note 9. In addition, we accrue U.S. incremental income taxes on the earnings of our Canadian subsidiary, which earnings we previously determined are not permanently reinvested.

As a consequence of a European Court ruling that resulted in a favorable resolution of certain income tax issues in Germany, during the first quarter of 2010 the German tax authorities agreed to an increase in our German net operating loss carryforwards. Accordingly, we recognized a non-cash income tax benefit of \$35.2 million in the first quarter of 2010.

Following the resolution of tax audits in Belgium and Germany in the third and fourth quarters of 2009, we de-recognized \$4.7 million of our reserve for uncertain tax positions primarily related to the audit resolution.

Tax authorities are examining certain of our non-U.S. tax returns and have or may propose tax deficiencies, including penalties and interest. Because of the inherent uncertainties involved in settlement initiatives and court and tax proceedings, we cannot guarantee that these tax matters will be resolved in our favor, and therefore our potential exposure, if any, is also uncertain. In 2011 we received notices of re-assessment from the Canadian federal and provincial tax authorities related to the years 2002 through



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2004. We object to the re-assessments and believe the position is without merit. Accordingly, we are appealing the re-assessments and in connection with such appeal we were required to post letters of credit aggregating Cdn. \$5.2 million (see Note 9). In February 2012, and in conjunction with the re-assessment notices received in 2011, we posted an additional letter of credit of Cdn. \$2.1 million. If the full amount of the proposed adjustment were ultimately to be assessed against us the cash tax liability would be approximately \$11.6 million. We believe we have adequate accruals for additional taxes and related interest expense which could ultimately result from tax examinations. We believe the ultimate disposition of tax examinations should not have a material adverse effect on our consolidated financial position, results of operations or liquidity.

We accrue interest and penalties on our uncertain tax positions as a component of our provision for income taxes. The amount of interest and penalties we accrued during 2009, 2010 and 2011 was not material, and at December 31, 2009, 2010, and 2011, we had \$2.5 million, \$2.7 million and \$3.1 million, respectively, accrued for interest and penalties for our uncertain tax positions.

The following table shows the changes in the amount of our uncertain tax positions (exclusive of the effect of interest and penalties) during 2009, 2010 and 2011:

	Year Ended December 31,		
	2009	2010	2011
	(In millions)		
Changes in unrecognized tax benefits:			
Unrecognized tax benefits at beginning of year	\$ 10.4	\$ 7.0	\$ 7.9
Net increase (decrease):			
Tax positions taken in prior periods	(5.0)	(.1)	.3
Tax positions taken in current period	.9	.6	1.0
Change in currency exchange rates	.7	.4	(.4)
Unrecognized tax benefits at end of year	<u>\$ 7.0</u>	<u>\$ 7.9</u>	<u>\$ 8.8</u>

If our uncertain tax positions were recognized, a benefit of \$9.5 million, \$10.6 million and \$11.9 million would affect our effective income tax rates for 2009, 2010 and 2011 respectively. We currently estimate that our unrecognized tax benefits will not change materially during the next twelve months.

We file income tax returns in various U.S. federal, state and local jurisdictions. We also file income tax returns in various non-U.S. jurisdictions, principally in Germany, Canada, Belgium and Norway. Our U.S. income tax returns prior to 2008 are generally considered closed to examination by applicable tax authorities. Our non-U.S. income tax returns are generally considered closed to examination for years prior to 2007 for Germany, 2008 for Belgium, 2006 for Canada and 2002 for Norway.

At December 31, 2011, we had the equivalent of \$799 million and \$188 million of net operating loss carryforwards for German corporate and trade tax purposes, respectively. At December 31, 2011, we have concluded that no deferred income tax asset valuation allowance is required to be recognized with respect to such carryforwards, principally because (i) such carryforwards have an indefinite carryforward period, (ii) we have utilized a portion of such carryforwards during the most recent three-year period and (iii) we currently expect to utilize the remainder of such carryforwards over the long term. However, prior to the complete utilization of these

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carryforwards, particularly if the economic recovery were to be short-lived or we generate operating losses in our German operations for an extended period of time, it is possible we might conclude the benefit of the carryforwards would no longer meet the more-likely-than-not recognition criteria, at which point we would be required to recognize a valuation allowance against some or all of the then-remaining tax benefit associated with the carryforwards.

### **Note 11 — Employee benefit plans:**

**Defined contribution plans**—We maintain various defined contribution pension plans with our contributions based on matching or other formulas. Defined contribution plan expense approximated \$1.0 million in 2009, \$1.2 million in 2010 and \$1.5 million in 2011.

**Accounting for defined benefit and postretirement benefits other than pensions (“OPEB”) plans**—We recognize an asset or liability for the over or under funded status of each of our individual defined benefit pension plans on our Consolidated Balance Sheets. Changes in the funded status of these plans are recognized either in net income (loss), to the extent they are reflected in periodic benefit cost, or through other comprehensive income (loss).

**Defined benefit plans**—We sponsor various defined benefit pension plans. Non-U.S. employees are covered by plans in their respective countries and a majority of U.S. employees are eligible to participate in a contributory savings plan. The benefits under our plans are based upon years of service and employee compensation. Our funding policy is to contribute annually the minimum amount required under ERISA (or equivalent non-U.S.) regulations plus additional amounts as we deem appropriate.

We expect to contribute the equivalent of approximately \$26.4 million to all of our defined benefit pension plans during 2012. Benefit payments to plan participants out of plan assets are expected to be the equivalent of:

<u>Years ending December 31,</u>	<u>Amount</u> <u>(In millions)</u>
2012	\$ 24.5
2013	25.4
2014	25.4
2015	25.1
2016	24.8
Next 5 years	136.9

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The funded status of our non-U.S. defined benefit pension plans is presented in the table below.

	Years ended	
	December 31,	
	2010	2011
	(In millions)	
<b>Change in projected benefit obligations ("PBO"):</b>		
Benefit obligations at beginning of the year	\$ 423.7	\$ 446.0
Service cost	10.4	11.2
Interest cost	21.9	23.6
Participant contributions	1.7	1.9
Actuarial losses	24.9	18.0
Plan amendments	3.8	—
Change in currency exchange rates	(18.0)	(13.4)
Benefits paid	(22.4)	(27.0)
Benefit obligations at end of the year	<u>446.0</u>	<u>460.3</u>
<b>Change in plan assets:</b>		
Fair value of plan assets at beginning of the year	306.9	327.3
Actual return on plan assets	26.7	18.3
Employer contributions	24.5	25.2
Participant contributions	1.7	1.9
Change in currency exchange rates	(10.1)	(9.5)
Benefits paid	(22.4)	(27.0)
Fair value of plan assets at end of year	<u>327.3</u>	<u>336.2</u>
<b>Funded status</b>	<u>\$ (118.7)</u>	<u>\$ (124.1)</u>
<b>Amounts recognized in the balance sheet:</b>		
Noncurrent pension asset	\$ .3	\$ —
Accrued pension costs:		
Current	(1.3)	(1.3)
Noncurrent	(117.7)	(122.8)
Total	<u>\$ (118.7)</u>	<u>\$ (124.1)</u>
Accumulated other comprehensive loss:		
Actuarial losses	\$ 119.7	\$ 128.8
Prior service cost	7.7	6.5
Net transition obligations	2.2	1.7
Total	<u>\$ 129.6</u>	<u>\$ 137.0</u>
<b>Accumulated benefit obligations ("ABO")</b>	<u>\$ 414.7</u>	<u>\$ 428.1</u>

In the fourth quarter of 2010, we amended our benefit formula for most participants of our Canadian and Belgium plans effective January 1, 2011, resulting in a prior service cost of approximately \$3.8 million as of December 31, 2010. Key assumptions as of December 31, 2010 and thereafter now reflect these plan revisions to the benefit formula.

The components of our net periodic defined benefit pension cost for our non-U.S. defined benefit pension plans are presented in the table below. During 2011, certain eligible participants elected to take lump sum distributions upon their retirement, resulting in a nominal settlement charge

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in 2011. The amounts shown below for the amortization of prior service cost, net transition obligations and recognized actuarial losses for 2009, 2010 and 2011 were recognized as components of our accumulated other comprehensive income (loss) at December 31, 2008, 2009 and 2010, respectively, net of deferred income taxes.

	<u>Years ended December 31,</u>		
	<u>2009</u>	<u>2010</u>	<u>2011</u>
	(In millions)		
Net periodic pension cost:			
Service cost benefits	\$ 8.6	\$ 10.4	\$ 11.2
Interest cost on PBO	22.1	21.9	23.6
Expected return on plan assets	(15.4)	(16.5)	(17.6)
Settlement losses	—	—	.5
Recognized actuarial losses	5.5	5.5	6.6
Amortization of prior service cost	.9	.9	1.2
Amortization of net transition obligations	.5	.5	.5
Total	<u>\$ 22.2</u>	<u>\$ 22.7</u>	<u>\$ 26.0</u>

Certain information concerning our non-U.S. defined benefit pension plans is presented in the table below.

	<u>December 31,</u>	
	<u>2010</u>	<u>2011</u>
	(In millions)	
Plans for which the ABO exceeds plan assets:		
PBO	\$386.2	\$460.3
ABO	362.2	428.1
Fair value of plan assets	268.5	336.2

The weighted-average rate assumptions used in determining the actuarial present value of benefit obligations for our non-U.S. defined benefit pension plans as of December 31, 2010 and 2011 are presented in the table below.

<u>Rate</u>	<u>December 31,</u>	
	<u>2010</u>	<u>2011</u>
Discount rate	5.1%	4.9%
Increase in future compensation levels	3.1%	3.2%

The weighted-average rate assumptions used in determining the net periodic pension cost for our non-U.S. defined benefit pension plans for 2009, 2010 and 2011 are presented in the table below.

<u>Rate</u>	<u>Years ended December 31,</u>		
	<u>2009</u>	<u>2010</u>	<u>2011</u>
Discount rate	5.9%	5.5%	5.1%
Increase in future compensation levels	3.2%	3.1%	3.1%
Long-term return on plan assets	5.9%	5.5%	5.5%

Variances from actuarially assumed rates will result in increases or decreases in accumulated pension obligations, pension expense and funding requirements in future periods.

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The funded status of our U.S. defined benefit pension plan is presented in the table below.

	Years ended December 31,	
	2010	2011
(In millions)		
<b>Change in PBO:</b>		
Benefit obligations at beginning of the year	\$ 14.6	\$ 15.9
Interest cost	.9	.9
Actuarial losses	1.2	1.8
Benefits paid	( .8)	( .8)
Benefit obligations at end of the year	<u>15.9</u>	<u>17.8</u>
<b>Change in plan assets:</b>		
Fair value of plan assets at beginning of the year	11.8	14.0
Actual return on plan assets	2.9	( .4)
Employer contributions	.1	.1
Benefits paid	( .8)	( .8)
Fair value of plan assets at end of year	<u>14.0</u>	<u>12.9</u>
<b>Funded status</b>	<u>\$ (1.9)</u>	<u>\$ (4.9)</u>
<b>Amounts recognized in the balance sheet:</b>		
<b>Accrued pension costs:</b>		
Current	\$ ( .1)	\$ ( .1)
Noncurrent	(1.8)	(4.8)
Total	<u>\$ (1.9)</u>	<u>\$ (4.9)</u>
Accumulated other comprehensive loss- actuarial losses	<u>\$ 7.1</u>	<u>\$ 10.4</u>
<b>ABO</b>	<u>\$ 15.9</u>	<u>\$ 17.8</u>

The components of our net periodic defined benefit pension cost for our U.S. defined benefit pension plan is presented in the table below. The amounts shown below for recognized actuarial losses for 2009, 2010 and 2011 were recognized as components of our accumulated other comprehensive income (loss) at December 31, 2008, 2009 and 2010 respectively, net of deferred income taxes.

	Years ended December 31,		
	2009	2010	2011
(In millions)			
<b>Net periodic pension cost (income):</b>			
Interest cost on PBO	\$ .9	\$ .9	\$ .9
Expected return on plan assets	(1.1)	(1.0)	(1.4)
Recognized actuarial losses	.3	.2	.3
Total	<u>\$ .1</u>	<u>\$ .1</u>	<u>\$ (.2)</u>

The discount rate assumptions used in determining the actuarial present value of the benefit obligation for our U.S. defined benefit pension plan as of December 31, 2010 and 2011 are 5.1% and 4.2%, respectively. The impact of assumed increases in future compensation levels does not have an effect on the benefit obligation as the plan is frozen with regards to compensation.

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The weighted-average rate assumptions used in determining the net periodic pension cost for our U.S. defined benefit pension plan for 2009, 2010 and 2011 are presented in the table below. The impact of assumed increases in future compensation levels does not have an effect on the periodic pension cost as the plan is frozen with regards to compensation.

Rate	Years ended December 31,		
	2009	2010	2011
Discount rate	6.1%	5.7%	5.1%
Long-term return on plan assets	10.0%	10.0%	10.0%

Variances from actuarially assumed rates will result in increases or decreases in accumulated pension obligations, pension expense and funding requirements in future periods.

The amounts shown in the above tables for actuarial losses, prior service cost and net transition obligations at December 31, 2010 and 2011 have not yet been recognized as components of our periodic defined benefit pension cost as of those dates. These amounts will be recognized as components of our periodic defined benefit cost in future years and are recognized, net of deferred income taxes, in our accumulated other comprehensive income (loss) at December 2010 and 2011. We expect approximately \$8.5 million, \$1.1 million and \$.4 million of the unrecognized actuarial losses, prior service costs and net transition obligations, respectively, will be recognized as components of our consolidated net periodic defined benefit pension cost in 2012.

The table below details the changes in our consolidated other comprehensive income (loss) during 2009, 2010 and 2011.

	Years Ended December 31,		
	2009	2010	2011
(In millions)			
Changes in plan assets and benefit obligations recognized in other comprehensive income (loss):			
Current year:			
Net actuarial gain (loss)	\$ 2.8	\$(13.9)	\$(19.8)
Plan amendments	—	(3.8)	—
Settlements	—	—	.5
Amortization of unrecognized:			
Net actuarial losses	5.5	5.7	6.9
Prior service cost	.8	.9	1.2
Net transition obligations	.5	.5	.5
Total	<u>\$ 9.6</u>	<u>\$(10.6)</u>	<u>\$(10.7)</u>

In determining the expected long-term rate of return on plan asset assumptions, we consider the long-term asset mix (e.g. equity vs. fixed income) for the assets for each of our plans and the expected long-term rates of return for such asset components. In addition, we receive third-party advice about appropriate long-term rates of return. Such assumed asset mixes are summarized below:

- In Germany, the composition of our plan assets is established to satisfy the requirements of the German insurance commissioner. Our German pension plan assets represent an investment in a large collective investment fund established and maintained by Bayer AG in which several pension plans, including our German pension plan and Bayer's pension plans, have invested. Our plan assets represent a very

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nominal portion of the total collective investment fund maintained by Bayer. These plan assets are a Level 3 input because there is not an active market that approximates the value of our investment in the Bayer investment fund. We determine the fair value of the Bayer plan assets based on periodic reports we receive from the managers of the Bayer plan. These periodic reports are subject to audit by the German pension regulator.

- In Canada, we currently have a plan asset target allocation of 55% to equity securities and 45% to fixed income securities. We expect the long-term rate of return for such investments to average approximately 125 basis points above the applicable equity or fixed income index. The Canadian assets are Level 1 input because they are traded in active markets.
- In Norway, we currently have a plan asset target allocation of 12% to equity securities, 72% to fixed income securities, 7% to real estate and the remainder primarily to liquid investments such as money markets. The expected long-term rate of return for such investments is approximately 8%, 4%, 7% and 3%, respectively. The majority of Norwegian plan assets are Level 1 inputs because they are traded in active markets; however approximately 10% of our Norwegian plan assets are invested in real estate and other investments not actively traded and are therefore a Level 3 input.
- In the U.S., substantially all of the assets were invested in The Combined Master Retirement Trust (“CMRT”), a collective investment trust sponsored by Contran to permit the collective investment by certain master trusts which fund certain employee benefit plans sponsored by Contran and certain of its affiliates.

The CMRT’s long-term investment objective is to provide a rate of return exceeding a composite of broad market equity and fixed income indices (including the S&P 500 and certain Russell indices) while utilizing both third-party investment managers as well as investments directed by Mr. Simmons. Mr. Simmons is the sole trustee of the CMRT. The trustee of the CMRT, along with the CMRT’s investment committee, of which Mr. Simmons is a member, actively manage the investments of the CMRT.

The CMRT trustee and investment committee do not maintain a specific target asset allocation in order to achieve their objectives, but instead they periodically change the asset mix of the CMRT based upon, among other things, advice they receive from third-party advisors and their expectations regarding potential returns for various investment alternatives and what asset mix will generate the greatest overall return. The CMRT holds TIMET common stock in its investment portfolio; however through December 31, 2009 we invested in a portion of the CMRT which does not include the TIMET holdings. Beginning in 2010, we began to invest in the portion of the CMRT that holds such stock. During the history of the CMRT from its inception in 1988 through December 31, 2011, the average annual rate of return (including the CMRT’s investment in TIMET common stock) has been 14%, while such annual return excluding the CMRT’s investment in TIMET common stock has been 11.4%. For the years ended December 31, 2009, 2010 and 2011, the assumed long-term rate of return for plan assets invested in the CMRT was 10%. In determining the appropriateness of the long-term rate of return assumption, we primarily rely on the historical rates of return achieved by the CMRT, although we consider other factors as well including, among other things, the investment objectives of the CMRT’s managers and their expectation that such historical returns will in the future continue to be achieved over the long-term.

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The CMRT unit value is determined semi-monthly, and the plans have the ability to redeem all or any portion of their investment in the CMRT at any time based on the most recent semi-monthly valuation. However, the plans do not have the right to individual assets held by the CMRT and the CMRT has the sole discretion in determining how to meet any redemption request. For purposes of our plan asset disclosure, we consider the investment in the CMRT as a Level 2 input because (i) the CMRT value is established semi-monthly and the plans have the right to redeem their investment in the CMRT, in part or in whole, at anytime based on the most recent value and (ii) observable inputs from Level 1 or Level 2 were used to value approximately 84% of the assets of the CMRT at December 31, 2010 and 2011, as noted below. The aggregate fair value of all of the CMRT assets, including funds of Contran and its other affiliates that also invest in the CMRT, and supplemental asset mix details of the CMRT as of December 31, 2010 and 2011, are as follows:

	<u>2010</u>	<u>2011</u>
	(In millions)	
CMRT asset value	\$714.9	\$659.5
CMRT fair value input:		
Level 1	83%	82%
Level 2	1	1
Level 3	16	17
	<u>100%</u>	<u>100%</u>
CMRT asset mix:		
Domestic equities, principally publicly traded	73%	75%
International equities, publicly traded	2	2
Fixed income securities, publicly traded	16	14
Privately managed limited partnerships	8	8
Other	1	1
	<u>100%</u>	<u>100%</u>

- We also have plan assets in Belgium and the United Kingdom. The Belgian plan assets are invested in certain individualized fixed income insurance contracts for the benefit of each plan participant as required by the local regulators and are therefore a Level 3 input. The United Kingdom plan assets consist of marketable securities which are Level 1 inputs because they trade in active markets.

We regularly review our actual asset allocation for each plan, and will periodically rebalance the investments in each plan to more accurately reflect the targeted allocation and/or maximize the overall long-term return when considered appropriate.

The composition of our December 31, 2010 and 2011 pension plan assets by fair value level is shown in the table below. The amounts shown for plan assets invested in the CMRT include a nominal amount of cash held by our U.S. pension plan which is not part of the plan's investment in the CMRT.



	Fair Value Measurements at December 31, 2010			
	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
	(In millions)			
Germany	\$ 176.2	\$ —	\$ —	\$ 176.2
Canada:				
Local currency equities	19.6	19.6	—	—
Non local currency equities	28.3	28.3	—	—
Local currency fixed income	30.7	30.7	—	—
Non local currency fixed income	.2	.2	—	—
Cash and other	2.4	2.4	—	—
Norway:				
Local currency equities	11.5	11.5	—	—
Non local currency equities	.2	.2	—	—
Local currency fixed income	42.3	15.9	—	26.4
Non local currency fixed income	3.5	.5	—	3.0
Cash and other	1.2	.6	—	.6
U.S.				
CMRT	14.0	.3	13.7	—
Other	11.2	2.5	—	8.7
<b>Total</b>	<b>\$341.3</b>	<b>\$ 112.7</b>	<b>\$ 13.7</b>	<b>\$ 214.9</b>

	Fair Value Measurements at December 31, 2011			
	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
	(In millions)			
Germany	\$ 187.2	\$ —	\$ —	\$ 187.2
Canada:				
Local currency equities	18.1	18.1	—	—
Non local currency equities	28.0	28.0	—	—
Local currency fixed income	33.8	33.8	—	—
Cash and other	2.4	2.4	—	—
Norway:				
Local currency equities	2.0	2.0	—	—
Non local currency equities	3.7	3.7	—	—
Local currency fixed income	35.9	35.9	—	—
Non local currency fixed income	4.3	4.3	—	—
Real estate	5.1	—	—	5.1
Cash and other	6.3	4.9	—	1.4
U.S.				
CMRT	12.8	.1	12.7	—
Other	9.4	2.5	—	6.9
<b>Total</b>	<b>\$349.0</b>	<b>\$ 135.7</b>	<b>\$ 12.7</b>	<b>\$ 200.6</b>

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A rollforward of the change in fair value of Level 3 assets follows.

	<u>2010</u>	<u>2011</u>
	(In millions)	
Fair value at beginning of year	\$207.1	\$214.9
Gain on assets held at end of year	15.9	18.8
Gain on assets sold during the year	1.5	1.8
Assets purchased	20.0	18.6
Assets sold	(15.9)	(18.1)
Transfers out	—	(29.2)
Currency exchange rate fluctuations	(13.7)	(6.2)
Fair value at end of year	<u>\$214.9</u>	<u>\$200.6</u>

**Postretirement benefits other than pensions (“OPEB”)**—We provide certain health care and life insurance benefits for eligible retired employees. Certain of our Canadian employees may become eligible for such postretirement health care and life insurance benefits if they reach retirement age while working for us. In the U.S., employees who retired after 1998 are not entitled to any such benefits. The majority of all retirees are required to contribute a portion of the cost of their benefits and certain current and future retirees are eligible for reduced health care benefits at age 65. We have no OPEB plan assets, rather, we fund medical claims as they are paid. Benefit payments to OPEB plans are expected to be the equivalent of:

<u>Years ending December 31,</u>	<u>Amount</u>
	(In millions)
2012	\$ .5
2013	.5
2014	.5
2015	.5
2016	.5
Next 5 years	2.6

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The funded status of our OPEB plans is presented in the table below:

	Years ended December 31,	
	2010	2011
	(In millions)	
Change in accumulated OPEB obligations:		
Obligations at beginning of the year	\$ 14.2	\$ 11.2
Service cost	.4	.2
Interest cost	.8	.6
Actuarial losses	1.6	1.9
Plan amendments	(5.8)	—
Change in currency exchange rates	.5	(.3)
Benefits paid from employer contributions	(.5)	(.4)
Obligations at end of the year	11.2	13.2
Fair value of plan assets	—	—
Funded status	\$ (11.2)	\$ (13.2)
Amounts recognized in the balance sheet:		
Current accrued pension costs	\$ (.6)	\$ (.5)
Noncurrent accrued pension costs	(10.6)	(12.7)
Total	\$ (11.2)	\$ (13.2)
Accumulated other comprehensive income:		
Net actuarial losses	\$ 3.2	\$ 4.9
Prior service credit	(6.1)	(5.3)
Total	\$ (2.9)	\$ (.4)

The amounts shown in the table above for net actuarial losses and prior service credit at December 31, 2010 and 2011 have not yet been recognized as components of our periodic OPEB cost as of those dates. These amounts will be recognized as components of our periodic OPEB cost in future years and are recognized, net of deferred income taxes, in our accumulated other comprehensive income (loss). We expect to recognize approximately \$.3 million of unrecognized actuarial losses and \$.6 million of prior service credit as components of our periodic OPEB cost in 2012.

At December 31, 2011, the accumulated OPEB obligations for all OPEB plans was comprised of \$1.2 million related to U.S. plans and \$12.0 million related to our Canadian plan (2010—\$1.4 million and \$9.7 million, respectively).

In the fourth quarter of 2010, we amended our benefit formula for most participants of our plans effective January 1, 2011, resulting in a prior service credit of approximately \$5.8 million as of December 31, 2010. Key assumptions including the health care cost trend rate as of December 31, 2010 now reflect these plan revisions to the benefit formula.

The components of our periodic OPEB costs are presented in the table below. The amounts shown below for amortization of prior service credit and recognized actuarial losses for 2009, 2010 and 2011 were recognized as components of our accumulated other comprehensive income (loss) at December 31, 2008, 2009 and 2010, respectively, net of deferred income taxes.

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	Years ended December 31,		
	2009	2010	2011
	(In millions)		
Net periodic OPEB cost (credit):			
Service cost	\$ .2	\$ .4	\$ .2
Interest cost	.6	.8	.6
Amortization of prior service credit	(.2)	(.2)	(.8)
Recognized actuarial losses	—	.2	.3
Total	<u>\$ .6</u>	<u>\$ 1.2</u>	<u>\$ .3</u>

The table below details the changes in benefit obligations recognized in accumulated other comprehensive income (loss) during 2009, 2010 and 2011.

	Years Ended December 31,		
	2009	2010	2011
	(In millions)		
Changes in benefit obligations recognized in other comprehensive income (loss):			
Current year:			
Net actuarial loss	\$ (3.2)	\$ (1.6)	\$ (2.0)
Plan amendments	—	5.8	—
Amortization of unrecognized:			
Prior service credit	(.2)	(.2)	(.8)
Net actuarial loss	—	.2	.3
Total	<u>\$ (3.4)</u>	<u>\$ 4.2</u>	<u>\$ (2.5)</u>

A summary of our key actuarial assumptions used to determine the net benefit obligation as of December 31, 2010 and 2011 are presented in the table below. The weighted average discount rate was determined using the projected benefit obligation as of such dates. The impact of assumed increases in future compensation levels does not have a material effect on the actuarial present value of the benefit obligation as substantially all of such benefits relate solely to eligible retirees, for which compensation is not applicable.

	2010	2011
Healthcare inflation:		
Initial rate	7.5%	8.0%
Ultimate rate	5.5%	5.0%
Year of ultimate rate achievement	2016	2018
Weighted average discount rate	5.1%	4.1%

Assumed health care cost trend rates affect the amounts we report for health care plans. A one percent change in assumed health care trend rates would not have a material effect on the net periodic OPEB cost for 2011 or on the accumulated OPEB obligation at December 31, 2011.

The weighted average discount rate used in determining the net periodic OPEB cost for 2011 was 5.1% (2010 – 5.8%; 2009 – 6.5%). Such weighted average rate was determined using the projected benefit obligation as of the beginning of each year. The impact of assumed increases in future compensation levels does not have a material effect on the net periodic OPEB cost as substantially all of such benefits relate solely to eligible retirees, for which compensation is not applicable. The impact of the assumed rate of return on plan assets also does not have a material effect on the net periodic OPEB cost as there were no plan assets as of December 31, 2010 or 2011.

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Variances from actuarially-assumed rates will result in additional increases or decreases in accumulated OPEB obligations, net periodic OPEB cost and funding requirements in future periods.

### **Note 12 – Other noncurrent liabilities:**

	December 31,	
	2010	2011
	(In millions)	
Reserve for uncertain tax positions	\$10.6	\$11.9
Employee benefits	9.7	10.2
Insurance claims and expenses	.3	.3
Other	5.0	5.0
Total	<u>\$25.6</u>	<u>\$27.4</u>

### **Note 13 – Common stock compensation and other stock transactions:**

**Secondary public offering of common stock**—In November 2010, we completed a secondary public offering of 17.94 million shares of our common stock in an underwritten offering for net proceeds of \$337.6 million. The price to the public was \$20.00 per share, and the underwriting discount was 5.75% (or \$1.15 per share). Costs of the offering (exclusive of the underwriting discount) were approximately \$.7 million. The offering took place in two parts, and the first closing occurred on November 2, 2010 of 15.6 million shares of common stock that generated net proceeds of \$293.5 million. The second closing (upon exercise of the underwriters' over-allotment option) occurred on November 9, 2010 for an additional 2.34 million shares of common stock that generated additional net proceeds of \$44.1 million. The shares of common stock issued in the secondary offering are identical to the previously issued outstanding shares in all respects, including par value, liquidation and dividend preference. All shares were sold to third-party investors; none of our affiliated companies purchased any shares in the offering. Upon completion of the offering, the Valhi consolidated aggregate ownership of Kronos was reduced from 95.2% (59.2% held by Valhi directly and 36.0% held by NL directly) to 80.4% (50.0% is held by Valhi directly and 30.4% is held by NL directly).

**NL common stock options held by our employees**—Certain of our employees were granted nonqualified options to purchase NL common stock under the terms of certain option plans sponsored by NL. Generally, the stock options were granted at a price equal to or greater than 100% of the market price of NL's common stock at the date of grant, vested over a five-year period and expired ten years from the date of grant. At December 31, 2011, no options were outstanding as all outstanding options expired or were exercised in 2011. During 2009, 2010 and 2011, 6,950, 10,350 and 25,950 options were exercised, respectively.

**Long-term incentive compensation plan**—We have a long-term incentive compensation plan that provides for the discretionary grant of, among other things, qualified incentive stock options, nonqualified stock options, restricted common stock, stock awards and stock appreciation rights. Up to 150,000 shares of our common stock may be issued pursuant to this plan. As of December 31, 2011, no options had been granted pursuant to this plan, and 115,500 shares were available for future grants. During 2009, 2010 and 2011 we awarded an aggregate of 10,500, 7,000, and 3,500 shares of our common stock pursuant to this plan to members of our board of directors. In

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February 2012, our board of directors voted to replace the existing long-term incentive plan with a new plan that would provide for the award of stock to our board of directors, and up to a maximum of 200,000 shares could be awarded. The new plan is subject to shareholders' approval at our May 2012 shareholder meeting.

**Stock split**—In May 2011, we amended our certificate of incorporation to increase the authorized number of shares of our common stock from 60 million to 240 million. Also in May 2011, we implemented a 2-for-1 split of our common stock effected in the form of a stock dividend. Other than the disclosure of the authorized number of shares of our common stock discussed in this paragraph, we have adjusted all share and per-share disclosures for all periods presented in our consolidated financial statements to give effect to the stock split, and we have adjusted our stockholders' equity at December 31, 2008 to reflect the split by reclassifying \$.6 million from additional paid-in capital to common stock representing \$.01 per share par value of each share of common stock issued as a result of the stock split.

Cash dividends in 2011 include a \$.50 per share special dividend paid to stockholders in the first quarter of 2011.

**Stock repurchase program**—In December 2010, our board of directors authorized the repurchase of up to 2.0 million shares of our common stock in open market transactions, including block purchases, or in privately-negotiated transactions at unspecified prices and over an unspecified period of time. We may repurchase our common stock from time to time as market conditions permit. The stock repurchase program does not include specific price targets or timetables and may be suspended at any time. Depending on market conditions, we may terminate the program prior to its completion. We would use cash on hand or other sources of liquidity to acquire the shares. Repurchased shares will be added to our treasury and cancelled. To date, we have not made any repurchases under the plan and all 2.0 million shares are available for repurchase.

### **Note 14—Related party transactions:**

We may be deemed to be controlled by Harold C. Simmons. See Note 1. Corporations that may be deemed to be controlled by or affiliated with Mr. Simmons sometimes engage in (a) intercorporate transactions such as guarantees, management and expense sharing arrangements, shared fee arrangements, joint ventures, partnerships, loans, options, advances of funds on open account, and sales, leases and exchanges of assets, including securities issued by both related and unrelated parties and (b) common investment and acquisition strategies, business combinations, reorganizations, recapitalizations, securities repurchases, and purchases and sales (and other acquisitions and dispositions) of subsidiaries, divisions or other business units, which transactions have involved both related and unrelated parties and have included transactions which resulted in the acquisition by one related party of a publicly-held noncontrolling interest in another related party. While no transactions of the type described above are planned or proposed with respect to us other than as set forth in these financial statements, we continuously consider, review and evaluate, and understand that Contran and related entities consider, review and evaluate such transactions. Depending upon the business, tax and other objectives then relevant, it is possible that we might be a party to one or more such transactions in the future.

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Current receivables from and payables to affiliates are summarized in the table below.

	December 31,	
	2010	2011
	(In millions)	
Current receivable from affiliate—LPC	\$ —	\$ 29.6
Noncurrent note receivable from Valhi	\$61.9	\$136.1
Current payables to affiliates:		
LPC	\$ 7.4	\$ —
Income taxes payable to Valhi	2.1	8.6
Other	.1	—
Total	\$ 9.6	\$ 8.6

From time to time, we will have loans and advances outstanding between us and various related parties pursuant to term and demand notes. We generally enter into these loans and advances for cash management purposes. When we loan funds to related parties, we are generally able to earn a higher rate of return on the loan than we would earn if we invested the funds in other instruments, and when we borrow from related parties, we are generally able to pay a lower rate of interest than we would pay if we had incurred third-party indebtedness. While certain of these loans to affiliates may be of a lesser credit quality than cash equivalent instruments otherwise available to us, we believe we have considered the credit risks in the terms of the applicable loans. In this regard:

- In November 2010, we entered into an unsecured revolving demand promissory note with Valhi whereby, as amended, we agreed to loan Valhi up to \$225 million. Our loan to Valhi bears interest at prime plus 1.00%, payable quarterly, with all principal due on demand, but in any event no earlier than December 31, 2013. The amount of our outstanding loans to Valhi at any time is at our discretion. As of December 31, 2011, we had loans outstanding to Valhi of \$136.1 million;
- In April 2010, we entered into an unsecured revolving credit note with Contran pursuant to which we could borrow up to \$40 million from Contran. Such revolving credit note terminated upon its maturity in December 2011; and
- In October 2008, we entered into an unsecured revolving credit note with NL pursuant to which we could borrow up to \$40 million from NL through December 31, 2009. Such revolving credit note terminated upon its maturity in December 2009.

Interest income on our loan to Valhi was \$.5 million in 2010 and \$3.7 million in 2011. Interest expense on our loans from Contran and NL was \$.3 million in 2009, \$.2 million in 2010 and nil in 2011.

Amounts payable to LPC are generally for the purchase of TiO<sub>2</sub>, while amounts receivable from LPC are generally from the sale of feedstock ore. See Note 5. Purchases of TiO<sub>2</sub> from LPC were \$121.1 million in 2009, \$133.7 million in 2010 and \$145.0 million in 2011. Sales of feedstock ore to LPC were nil in 2009, \$5.2 million in 2010 and \$93.0 million in 2011.

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Under the terms of various intercorporate services agreements (“ISAs”) entered into between us and various related parties, including Contran, employees of one company will provide certain management, tax planning, financial and administrative services to the other company on a fee basis. Such charges are based upon estimates of the time devoted by the employees of the provider of the services to the affairs of the recipient, and the compensation and associated expenses of such persons. Because of the large number of companies affiliated with Contran, we believe we benefit from cost savings and economies of scale gained by not having certain management, financial and administrative staffs duplicated at each entity, thus allowing certain individuals to provide services to multiple companies but only be compensated by one entity. The net ISA fee charged to us, approved by the independent members of our board of directors, is included in selling, general and administrative expense and corporate expense and was \$7.4 million in 2009, \$8.3 million in 2010 and \$9.6 million in 2011. This agreement is renewed annually and we expect to pay a net amount of \$11.2 million under the ISA during 2012.

Tall Pines Insurance Company, and EWI RE, Inc. provide for or broker certain insurance policies for Contran and certain of its subsidiaries and affiliates, including ourselves. Tall Pines and EWI are subsidiaries of Valhi. Consistent with insurance industry practices, Tall Pines and EWI receive commissions from insurance and reinsurance underwriters and/or assess fees for the policies that they provide or broker. The aggregate premiums paid to Tall Pines and EWI by us and our joint venture were \$8.5 million in 2009, \$8.0 million in 2010 and \$9.5 million in 2011. These amounts principally included payments for insurance and reinsurance premiums paid to third parties, but also included commissions paid to Tall Pines and EWI. Tall Pines purchases reinsurance from third-party insurance carriers with an A.M. Best Company rating of generally at least A- (excellent) for substantially all of the risks it underwrites. We expect these relationships with Tall Pines and EWI will continue in 2012.

Contran and certain of its subsidiaries and affiliates, including us, purchase certain of their insurance policies as a group, with the costs of the jointly-owned policies being apportioned among the participating companies. With respect to certain of such policies, it is possible that unusually large losses incurred by one or more insureds during a given policy period could leave the other participating companies without adequate coverage under that policy for the balance of the policy period. As a result, Contran and certain of its subsidiaries and affiliates, including us, have entered into a loss sharing agreement under which any uninsured loss is shared by those entities who have submitted claims under the relevant policy. We believe the benefits, in the form of reduced premiums and broader coverage associated with the group coverage for such policies, justifies the risk associated with the potential for any uninsured loss.

### **Note 15—Commitments and contingencies:**

**Environmental matters**—Our operations are governed by various environmental laws and regulations. Certain of our operations are and have been engaged in the handling, manufacture or use of substances or compounds that may be considered toxic or hazardous within the meaning of applicable environmental laws and regulations. As with other companies engaged in similar businesses, certain of our past and current operations and products have the potential to cause environmental or other damage. We have implemented and continue to implement various policies and programs in an effort to minimize these risks. Our policy is to maintain compliance with applicable environmental laws and regulations at all of our facilities and to



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strive to improve our environmental performance. From time to time, we may be subject to environmental regulatory enforcement under U.S. and non-U.S. statutes, resolution of which typically involves the establishment of compliance programs. It is possible that future developments, such as stricter requirements of environmental laws and enforcement policies thereunder, could adversely affect our production, handling, use, storage, transportation, sale or disposal of such substances. We believe all of our plants are in substantial compliance with applicable environmental laws.

**Litigation matters**—We are involved in various environmental, contractual, product liability, patent (or intellectual property), employment and other claims and disputes incidental to our business. We currently believe the disposition of all claims and disputes, individually or in the aggregate, should not have a material adverse effect on our consolidated financial condition, results of operations or liquidity.

In March 2010, we were served with two complaints which were subsequently consolidated as *Haley Paint et al. v. E.I. Du Pont de Nemours and Company, et al.* (United States District Court, for the District of Maryland, Case No. 1:10-cv-00318-RDB). A third plaintiff intervened into the current case in July 2011. The defendants include us, E.I. Du Pont de Nemours & Company, Huntsman International LLC, Millennium Inorganic Chemicals, Inc. and the National Titanium Dioxide Company Limited (d/b/a Cristal). Plaintiffs seek to represent a class consisting of all persons and entities that purchased titanium dioxide in the United States directly from one or more of the defendants on or after March 1, 2002. The complaint alleges that the defendants conspired and combined to fix, raise, maintain, and stabilize the price at which titanium dioxide was sold in the United States and engaged in other anticompetitive conduct. In May 2010, defendants filed a motion to dismiss, which plaintiffs opposed. In March 2011, the court denied the motion to dismiss. The case is proceeding in the trial court. We believe the action is without merit, have denied all allegations of wrongdoing and liability and intend to defend against the action vigorously.

**Concentrations of credit risk**—Sales of TiO<sub>2</sub> accounted for approximately 90% of our sales during each of the years 2009 and 2010 and 92% in 2011. The remaining sales result from the mining and sale of ilmenite ore (a raw material used in the sulfate pigment production process), and the manufacture and sale of iron-based water treatment chemicals and certain titanium chemical products (derived from co-products of the TiO<sub>2</sub> production processes). TiO<sub>2</sub> is generally sold to the paint, plastics and paper industries. Such markets are generally considered “quality-of-life” markets whose demand for TiO<sub>2</sub> is influenced by the relative economic well-being of the various geographic regions. We sell TiO<sub>2</sub> to over 4,000 customers, with the top ten customers approximating 28% of net sales in 2009, 27% in 2010 and 30% in 2011. We did not have sales to a single customer comprising over 10% of our net sales in any of the previous three years. The table below shows the approximate percentage of our TiO<sub>2</sub> sales by volume for our significant markets, Europe and North America, for the last three years.

	2009	2010	2011
Europe	53%	53%	53%
North America	32%	33%	32%

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**Long-term contracts**—We have long-term supply contracts that provide for certain of our TiO<sub>2</sub> feedstock requirements through 2016. The agreements require us to purchase certain minimum quantities of feedstock with minimum purchase commitments aggregating approximately \$2.6 billion over the life of the contracts at December 31, 2011. In addition, we have other long-term supply and service contracts that provide for various raw materials and services. These agreements require us to purchase certain minimum quantities or services with minimum purchase commitments aggregating approximately \$87 million at December 31, 2011.

**Operating leases**—Our principal German operating subsidiary leases the land under its Leverkusen TiO<sub>2</sub> production facility pursuant to a lease with Bayer AG that expires in 2050. The Leverkusen facility itself, which we own and which represents approximately one-third of our current TiO<sub>2</sub> production capacity, is located within Bayer’s extensive manufacturing complex. We periodically establish the amount of rent for the land lease associated with the Leverkusen facility by agreement with Bayer for periods of at least two years at a time. The lease agreement provides for no formula, index or other mechanism to determine changes in the rent for such land lease; rather, any change in the rent is subject solely to periodic negotiation between Bayer and us. We recognize any change in the rent based on such negotiations as part of lease expense starting from the time such change is agreed upon by both parties, as any such change in the rent is deemed “contingent rentals” under GAAP. Under a separate supplies and services agreement expiring in 2012, a majority-owned subsidiary of Bayer provides some raw materials, including chlorine, auxiliary and operating materials, utilities and services necessary to operate the Leverkusen facility.

We also lease various other manufacturing facilities and equipment. Some of the leases contain purchase and/or various term renewal options at fair market and fair rental values, respectively. In most cases we expect that, in the normal course of business, such leases will be renewed or replaced by other leases. Net rent expense approximated \$11 million in each of 2009 and 2010 and \$13 million in 2011. At December 31, 2011, future minimum payments under noncancellable operating leases having an initial or remaining term of more than one year were as follows:

<u>Years ending December 31,</u>	<u>Amount</u> <u>(In millions)</u>
2012	\$ 12.3
2013	7.2
2014	4.2
2015	3.2
2016	1.4
2017 and thereafter	17.4
Total	<u>\$ 45.7</u>

Approximately \$18 million of the \$45.7 million aggregate future minimum rental commitments at December 31, 2011 relates to our Leverkusen facility lease discussed above. The minimum commitment amounts for such lease included in the table above for each year through the 2050 expiration of the lease are based upon the current annual rental rate as of December 31, 2011. As discussed above, any change in the rent is based solely on negotiations between Bayer and ourselves, and any such change in the rent is deemed “contingent rentals” under GAAP which is excluded from the future minimum lease payments disclosed above.

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**Income taxes**—We and Valhi have agreed to a policy providing for the allocation of tax liabilities and tax payments as described in Note 1. Under applicable law, we, along with every other member of the Contran Tax Group, are each jointly and severally liable for the aggregate federal income tax liability of Contran and the other companies included in the Contran Tax Group for all periods in which we are included in the Contran Tax Group. Valhi has agreed, however, to indemnify us for any liability for income taxes of the Contran Tax Group in excess of our tax liability previously computed and paid by us in accordance with the tax allocation policy.

**Note 16—Financial instruments:**

The following table summarizes the valuation of our financial instruments recorded on a fair value basis as of December 31, 2010 and 2011:

	Fair Value Measurements			
	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
(In millions)				
<b>Asset (liability)</b>				
<b>December 31, 2010</b>				
Currency forward contracts	\$ 6.3	\$ 6.3	\$ —	\$ —
Noncurrent marketable securities (See Note 6)	49.7	49.7	—	—
<b>December 31, 2011</b>				
Currency forward contracts	\$ (.8)	\$ (.8)	\$ —	\$ —
Current marketable securities (See Note 6)	20.9	20.9	—	—
Noncurrent marketable securities (See Note 6)	98.4	98.4	—	—

Certain of our sales generated by our non-U.S. operations are denominated in U.S. dollars. We periodically use currency forward contracts to manage a very nominal portion of currency exchange rate risk associated with trade receivables denominated in a currency other than the holder's functional currency or similar exchange rate risk associated with future sales. We have not entered into these contracts for trading or speculative purposes in the past, nor do we currently anticipate entering into such contracts for trading or speculative purposes in the future. Derivatives used to hedge forecasted transactions and specific cash flows associated with financial assets and liabilities denominated in currencies other than the U.S. dollar and which meet the criteria for hedge accounting are designated as cash flow hedges. Consequently, the effective portion of gains and losses is deferred as a component of accumulated other comprehensive income and is recognized in earnings at the time the hedged item affects earnings. Contracts that do not meet the criteria for hedge accounting are marked-to-market at each balance sheet date with any resulting gain or loss recognized in income currently as part of net currency transactions. The fair value of the currency forward contracts is determined using Level 1 inputs based on the currency spot forward rates quoted by banks or currency dealers.

At December 31, 2011, we had currency forward contracts to exchange an aggregate of \$48.0 million for an equivalent value of Canadian dollars at exchange rates ranging from Cdn. \$.9969 to Cdn. \$1.0283 per U.S. dollar. These contracts with Wells Fargo Bank, National Association, mature from January 2012 through December 2012 at a rate of \$4.0 million per month, subject to early redemption provisions at our option.

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The estimated fair value of such currency forward contracts at December 31, 2011 was a \$.8 million net liability, which amount is recognized as part of Accounts Payable and Accrued Liabilities in our Consolidated Balance Sheet and a corresponding \$.8 million currency transaction loss in our Consolidated Statement of Operations. To the extent we held such contracts during 2009, 2010 and 2011, we did not use hedge accounting for any of our contracts.

The following table presents the financial instruments that are not carried at fair value but which require fair value disclosure as of December 31, 2010 and 2011.

	December 31, 2010		December 31, 2011	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
Cash, cash equivalents and restricted cash	\$ 306.6	\$306.6	\$ 89.8	\$ 89.8
Notes payable and long-term debt:				
Fixed rate with market quotes - 6.5% Senior Secured Notes	\$ 532.8	\$536.0	\$360.6	\$ 362.6
Common stockholders' equity	761.2	2,462.2	924.3	2,090.9

At each of December 31, 2010 and 2011, the estimated market price of the 6.5% Notes was approximately €1,004 per €1,000 principal amount. Fair value of our restricted marketable debt securities and the fair value of our common stockholders' equity are based upon quoted market prices at each balance sheet date, which represent Level 1 inputs. The fair value of our 6.5% Notes are also based on quoted market prices at each balance sheet date; however, these quoted market prices represent Level 2 inputs because the markets in which the Notes trade are not active. The fair values of variable interest rate debt are deemed to approximate book value. Due to their near-term maturities, the carrying amounts of accounts receivable and accounts payable are considered equivalent to fair value. See Notes 1 and 6.

### **Note 17 – Recent accounting standards:**

In May 2011 the Financial Accounting Standards Board issued Accounting Standards Update (“ASU”) 2011-04, *Amendments to Achieve Common Fair Value Measurements and Disclosure Requirements in U.S. GAAP and IFRSs*. ASU 2011-04 contains technical adjustments and clarifications to more closely align the U.S. GAAP and International Financial Reporting Standards (“IFRS”) for fair value reporting and will be effective for our first quarter 2012 report. We do not believe the adoption of this standard will have a material effect on our Consolidated Financial Statements.

In June 2011 the FASB issued ASU 2011-05, *Presentation of Comprehensive Income*. ASU 2011-05 eliminates the option of presenting comprehensive income as a component of the Consolidated Statement of Stockholders' Equity and instead requires comprehensive income to be presented as a component of the Consolidated Statement of Income or in a separate Consolidated Statement of Comprehensive Income immediately following the Consolidated Statement of Income. This standard will be effective for our first quarter 2012 report. Upon adoption of ASU 2011-05, we intend to present our comprehensive income in a separate Consolidated Statement of Comprehensive Income, the same manner in

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which we present our comprehensive income in these Consolidated Financial Statements. Additionally, ASU 2011-05 would have required us to present on the face of our financial statements the effect of reclassifications out of accumulative other comprehensive income on the components of net income and other comprehensive income. However, in December 2011 the FASB issued ASU 2011-12, *Comprehensive Income (Topic 220): Deferral of the Effective Date for Amendments to the Presentation of Reclassifications of Items Out of Accumulated Other Comprehensive Income in Accounting Standards Update No. 2011-05*. ASU 2011-12 defers the effectiveness for the requirement to present on the face of our financial statements the effects of reclassifications out of accumulated other comprehensive income on the components of net income and other comprehensive income. Adoption of ASU 2011-05, as amended by ASU 2011-12, will not have a material effect on our Consolidated Financial Statements.

In December 2011 the FASB issued ASU 2011-11 *Disclosures about Offsetting Assets and Liabilities*. ASU 2011-11 requires entities to disclose both gross information and net information about both instruments and transactions eligible for offset in the balance sheet and instruments and transactions subject to an agreement similar to a master netting arrangement. This standard will be effective for annual and interim periods beginning with our first quarter 2013 report. We do not believe the adoption of this standard will have a material effect on our Consolidated Financial Statements.

### **Note 18—Quarterly results of operations (unaudited):**

	Quarter ended			
	March 31	June 30	September 30	December 31
	(In millions, except per share data)			
<b>Year ended December 31, 2010</b>				
Net sales	\$ 319.7	\$ 380.1	\$ 376.6	\$ 373.3
Gross margin	60.5	85.2	96.2	103.4
Net income	42.8	19.3	32.1	36.4
Basic and diluted earnings per common share	\$ .43	\$ .20	\$ .33	\$ .33
<b>Year ended December 31, 2011</b>				
Net sales	\$ 420.4	\$ 537.5	\$ 548.0	\$ 437.4
Gross margin	146.4	197.0	210.9	194.1
Net income	60.3	89.0	85.9	85.8
Basic and diluted earnings per common share	\$ .52	\$ .77	\$ .74	\$ .74

In the first quarter of 2010 we recognized a non-cash \$35.2 million income tax benefit related an increase in our German net operating loss carryforwards. See Note 10.

In the fourth quarter of 2010 we completed a secondary public offering of 8.97 million shares of our common stock which dilutes our earnings per share for the fourth quarter. See Note 13.

In the second quarter of 2011, we recognized a \$3.3 million pre-tax interest charge related to the partial redemption of our Senior Secured Notes. See Note 9.

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Our provision for income taxes in the third and fourth quarters of 2011 includes \$13.2 million and \$4.0 million, respectively, for U.S. incremental income taxes on current earnings repatriated from our German subsidiary, which earnings were used to fund a portion of the repurchases of our Senior Secured Notes discussed in Note 9.

The sum of the quarterly per share amounts may not equal the annual per share amounts due to relative changes in the weighted average number of shares used in the per share computations.

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**SCHEDULE I—CONDENSED FINANCIAL INFORMATION OF REGISTRANT**

**Condensed Balance Sheets**

(In millions)

	December 31,	
	2010	2011
<b>Current assets:</b>		
Cash and equivalents	\$ 209.9	\$ 7.8
Receivables from subsidiary	51.9	37.8
Marketable securities	—	20.9
Prepaid expenses	.3	.5
Deferred income taxes	—	.3
Total current assets	<u>262.1</u>	<u>67.3</u>
<b>Other assets:</b>		
Investment in subsidiaries	733.5	945.7
Note receivable from Valhi	61.9	136.1
Marketable equity securities	49.7	98.4
Other	1.1	1.3
Total other assets	<u>846.2</u>	<u>1,181.5</u>
Total assets	<u>\$1,108.3</u>	<u>\$1,248.8</u>
<b>Current liabilities:</b>		
Accounts payable and accrued liabilities	\$ 4.0	\$ .6
Payable to affiliate and subsidiary	76.9	32.1
Total current liabilities	<u>80.9</u>	<u>32.7</u>
<b>Noncurrent liabilities:</b>		
Notes payable to KII	217.7	210.9
Interest payable to KII	45.4	63.5
Deferred income taxes	3.1	17.4
Total noncurrent liabilities	<u>266.2</u>	<u>291.8</u>
Stockholders' equity	761.2	924.3
Total liabilities and stockholders' equity	<u>\$1,108.3</u>	<u>\$1,248.8</u>

The accompanying Notes are an integral part of the financial statements.

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**SCHEDULE I—CONDENSED FINANCIAL INFORMATION OF REGISTRANT (Continued)**  
**Condensed Statements of Operations**  
**(In millions)**

	Years ended December 31,		
	2009	2010	2011
Revenues and other income:			
Equity in earnings (loss) of subsidiaries	\$(18.2)	\$145.4	\$352.2
Interest income from affiliates	—	.6	3.7
Dividend and other income	—	—	2.3
Total revenues and other income	<u>(18.2)</u>	<u>146.0</u>	<u>358.2</u>
Costs and expenses:			
General and administrative	3.4	3.0	4.2
Intercompany interest and other	21.3	20.1	21.1
Total costs and expenses	<u>24.7</u>	<u>23.1</u>	<u>25.3</u>
Income (loss) before income taxes	(42.9)	122.9	332.9
Provision for income taxes (benefit)	(8.2)	(7.7)	11.9
Net income (loss)	<u>\$(34.7)</u>	<u>\$130.6</u>	<u>\$321.0</u>

The accompanying Notes are an integral part of the financial statements.



**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**SCHEDULE I—CONDENSED FINANCIAL INFORMATION OF REGISTRANT (Continued)**

**Condensed Statements of Cash Flows**

(In millions)

	Years ended December 31,		
	2009	2010	2011
Cash flows from operating activities:			
Net income (loss)	\$(34.7)	\$ 130.6	\$ 321.0
Depreciation and amortization	.1	.3	.1
Deferred income taxes	(.1)	.1	11.4
Equity in earnings of subsidiaries	18.2	(145.4)	(352.2)
Other, net	.6	.1	.2
Net change in assets and liabilities	35.3	10.0	81.8
Net cash provided by (used in) operating activities	<u>19.4</u>	<u>(4.3)</u>	<u>62.3</u>
Cash flows from investing activities:			
Loan to Valhi:			
Loans	—	(114.8)	(214.7)
Collections	—	52.9	140.5
Proceeds from sale of marketable securities	—	—	251.0
Purchase of marketable securities:			
TIMET common stock	—	(43.5)	(30.4)
Valhi common stock	—	(2.5)	(12.8)
Mutual funds	—	(.1)	(272.8)
Other, net	(.2)	(.9)	(.5)
Net cash used in investing activities	<u>(.2)</u>	<u>(108.9)</u>	<u>(139.7)</u>
Cash flows from financing activities:			
Issuance of common stock	—	337.6	—
Repayment of loan from NL	(19.2)	—	—
Dividends paid	—	(14.5)	(124.6)
Other	—	—	(.1)
Net cash provided by (used in) financing activities:	<u>(19.2)</u>	<u>323.1</u>	<u>(124.7)</u>
Net change during the year from operating, investing and financing activities	—	209.9	(202.1)
Balance at beginning of year	—	—	209.9
Balance at end of year	<u>\$ —</u>	<u>\$ 209.9</u>	<u>\$ 7.8</u>

The accompanying Notes are an integral part of the financial statements.

**KRONOS WORLDWIDE, INC. AND SUBSIDIARIES**  
**SCHEDULE I - CONDENSED FINANCIAL INFORMATION OF REGISTRANT (Continued)**  
**Notes to Condensed Financial Information**

**Note 1 - Basis of presentation:**

The accompanying financial statements of Kronos Worldwide, Inc. reflect our investment in majority-owned subsidiaries on the equity method. The Consolidated Financial Statements of Kronos and its majority-owned subsidiaries (the "Company") and the related Notes to Consolidated Financial Statements are incorporated herein by reference.

**Note 2 - Receivable from (payable to) subsidiaries and affiliates:**

	<u>December 31,</u>	
	<u>2010</u>	<u>2011</u>
	(In millions)	
<b>Current:</b>		
Receivable from:		
Kronos Louisiana, Inc. ("KLA")	\$ 44.4	\$ 23.5
KLA – income taxes	7.5	7.2
KII – income taxes	—	7.1
Total	<u>\$ 51.9</u>	<u>\$ 37.8</u>
Payable to:		
Kronos (US), Inc.	\$ 74.8	\$ 23.5
Valhi – income taxes	2.1	8.6
Total	<u>\$ 76.9</u>	<u>\$ 32.1</u>
<b>Noncurrent:</b>		
Note receivable from Valhi	<u>\$ 61.9</u>	<u>\$136.1</u>
Note payable to KII	<u>\$263.1</u>	<u>\$274.4</u>

Prior to 2009, KII loaned us an aggregate € 163.1 million (\$209.5 million at the borrowing date) instead of paying us cash dividends. The original notes provided for a December 31, 2010 maturity date and required interest to be paid quarterly at an annual rate of 9.25%. Prior to 2009, the terms of these notes were modified to remove the requirements for quarterly interest payments and to extend the maturity date to December 31, 2013, and at December 31, 2010 and 2011 we had an aggregate of \$45.4 million and \$63.5 million, respectively, of accrued and unpaid interest on these loans. The notes are unsecured, contain no financial covenants and provide for default only upon our failure to pay any amount when due (subject to a short grace period). Due to the long-term investment nature of these notes, settlement of the principal and accrued interest balance of the notes is not contemplated within the foreseeable future. We currently expect that settlement of the principal and interest amount of the notes will occur through a capital transaction. We recognize interest expense on such notes as incurred. Until such time as the notes are settled, we will recognize interest expense on the promissory notes.

**Note 3 – Investment in subsidiaries:**

	<u>December 31,</u>	
	<u>2010</u>	<u>2011</u>
	<u>(In millions)</u>	
Investment in:		
KLA	\$214.3	\$194.5
KC	76.9	100.0
KII	442.3	651.2
Total	<u>\$733.5</u>	<u>\$945.7</u>

	<u>2009</u>	<u>2010</u>	<u>2011</u>
	<u>(In millions)</u>		
Equity in earnings (loss) from continuing operations of subsidiaries:			
KLA	\$ 14.4	\$ 39.8	\$ 68.4
KC	(.5)	5.8	40.4
KII	(32.1)	99.8	243.4
Total	<u>\$(18.2)</u>	<u>\$145.4</u>	<u>\$352.2</u>

**THIRD AMENDED AND RESTATED  
UNSECURED REVOLVING  
DEMAND PROMISSORY NOTE**

\$225,000,000.00

December 31, 2011

**Section 1. Promise to Pay.** For and in consideration of value received, the undersigned, VALHI, INC., a corporation duly organized under the laws of the state of Delaware (“*Borrower*”), promises to pay, in lawful money of the United States of America, to the order of KRONOS WORLDWIDE, INC., a corporation duly organized under the laws of the state of Delaware (“*Kronos Worldwide*”), or the holder hereof (as applicable, Kronos Worldwide or such holder shall be referred to as the “*Noteholder*”), the principal sum of TWO HUNDRED TWENTY FIVE MILLION and NO/100ths United States Dollars (\$225,000,000.00) or such lesser amount as shall equal the unpaid principal amount of the loan made by the Noteholder to Borrower together with accrued and unpaid interest on the unpaid principal balance from time to time pursuant to the terms of this Third Amended and Restated Unsecured Revolving Demand Promissory Note, as it may be amended from time to time (this “*Note*”). This Note shall be unsecured and will bear interest on the terms set forth in **Section 7** below. Capitalized terms not otherwise defined shall have the meanings given to such terms in **Section 18** of this Note.

**Section 2. Amendment and Restatement.** This Note renews and replaces, amends and restates in its entirety the Second Amended and Restated Unsecured Revolving Demand Promissory Note dated June 30, 2011 in the original principal amount of \$175,000,000.00 payable to the order of the Noteholder and executed by the Borrower (the “*Second Amended Note*”). The Second Amended Note renewed, replaced, amended and restated the First Amended and Restated Unsecured Revolving Demand Promissory Note dated December 31, 2010 in the original principal amount of \$175,000,000.00 payable to the order of the Noteholder and executed by the Borrower (the “*First Amended Note*”). The First Amended Note renewed, replaced, amended and restated the Unsecured Revolving Demand Promissory Note dated November 10, 2010 in the original principal amount of \$100,000,000.00 payable to the order of the Noteholder and executed by the Borrower (the “*Original Note*”). As of the close of business on December 31, 2011, the unpaid principal balance of the Second Amended Note was \$136,100,000.00, the accrued and unpaid interest thereon was nil and the accrued and unpaid commitment fee thereon was nil, which is the unpaid principal, accrued and unpaid interest and accrued and unpaid commitment fee owed under this Note as of the close of business on the date of this Note.

**Section 3. Place of Payment.** All payments will be made at Noteholder’s address at Three Lincoln Centre, 5430 LBJ Freeway, Suite 1700, Dallas, Texas 75240-2697, Attention: Treasurer, or such other place as the Noteholder may from time to time appoint in writing.

**Section 4. Payments.** The unpaid principal balance of this Note and any accrued and unpaid interest thereon shall be due and payable on the Final Payment Date. Prior to the Final Payment Date, any accrued and unpaid interest on an unpaid principal balance shall be paid in arrears quarterly on the last day of each March, June, September and December, commencing March 31, 2012. All payments on this Note shall be applied first to accrued and unpaid interest, next to accrued interest not yet payable and then to principal. If any payment of principal or interest on this Note shall become due on a day that is not a Business Day, such payment shall be made on the next succeeding Business Day and the payment shall be the amount owed on the original payment date.

**Section 5. Prepayments.** This Note may be prepaid in part or in full at any time without penalty.

**Section 6. Borrowings.** Prior to the Final Payment Date, Noteholder expressly authorizes Borrower to borrow, repay and re-borrow principal under this Note in increments of \$100,000 on a daily basis so long as:

- the aggregate outstanding principal balance does not exceed \$225,000,000.00; and
- no Event of Default has occurred and is continuing.

*Notwithstanding anything else in this Note, in no event will Noteholder be required to lend money to Borrower under this Note and loans under this Note shall be at the sole and absolute discretion of Noteholder.*

**Section 7. Interest.** The unpaid principal balance of this Note shall bear interest at the rate per annum of the Prime Rate plus one percent (1.00%). In the event that an Event of Default occurs and is continuing, the unpaid principal amount shall bear interest from the Event of Default at the rate per annum of the Prime Rate plus four percent (4.00%) until such time as the Event of Default is cured. Accrued interest on the unpaid principal of this

Note shall be computed on the basis of a 365- or 366-day year for actual days (including the first, but excluding the last day) elapsed, but in no event shall such computation result in an amount of accrued interest that would exceed accrued interest on the unpaid principal balance during the same period at the Maximum Rate. Notwithstanding anything to the contrary, this Note is expressly limited so that in no contingency or event whatsoever shall the amount paid or agreed to be paid to the Noteholder exceed the Maximum Rate. If, from any circumstances whatsoever, the Noteholder shall ever receive as interest an amount that would exceed the Maximum Rate, such amount that would be excessive interest shall be applied to the reduction of the unpaid principal balance and not to the payment of interest, and if the principal amount of this Note is paid in full, any remaining excess shall be paid to Borrower, and in such event, the Noteholder shall not be subject to any penalties provided by any laws for contracting for, charging, taking, reserving or receiving interest in excess of the highest lawful rate permissible under applicable law. All sums paid or agreed to be paid to Noteholder for the use, forbearance or detention of the indebtedness of the Borrower to Noteholder shall, to the extent permitted by applicable law, be amortized, prorated, allocated and spread throughout the full term of such indebtedness until payment in full of the principal (including the period of any renewal or extension thereof) so that the interest on account of such indebtedness shall not exceed the Maximum Rate. If at any time the Contract Rate is limited to the Maximum Rate, any subsequent reductions in the Contract Rate shall not reduce the rate of interest on this Note below the Maximum Rate until the total amount of interest accrued equals the amount of interest that would have accrued if the Contract Rate had not been limited by the Maximum Rate. In the event that, upon the Final Payment Date, the total amount of interest paid or accrued on this Note is less than the amount of interest that would have accrued if the Contract Rate had not been limited by the Maximum Rate, then at such time, to the extent permitted by law, in addition to the principal and any other amounts Borrower owes to the Noteholder, the Borrower shall pay to the Noteholder an amount equal to the difference between: (i) the lesser of the amount of interest that would have accrued if the Contract Rate had not been limited by the Maximum Rate or the amount of interest that would have accrued if the Maximum Rate had at all times been in effect; and (ii) the amount of interest actually paid on this Note.

**Section 8. Fees and Expenses.** On the last day of each March, June, September and December, commencing March 31, 2011, and on the Final Payment Date, Borrower shall pay to Noteholder the Unused Commitment Fee for such period. In addition, Borrower and any guarantor jointly and severally agree to pay on the Final Payment Date to Noteholder any other cost or expense reasonably incurred by Noteholder in connection with Noteholder's commitment to Borrower pursuant to the terms of this Note, including without limitation any other cost reasonably incurred by Noteholder pursuant to the terms of any credit facility of Noteholder.

**Section 9. Remedy.** Upon the occurrence and during the continuation of an Event of Default, the Noteholder shall have all of the rights and remedies provided in the applicable Uniform Commercial Code, this Note or any other agreement among Borrower and in favor of the Noteholder, as well as those rights and remedies provided by any other applicable law, rule or regulation. In conjunction with and in addition to the foregoing rights and remedies of the Noteholder, the Noteholder may declare all indebtedness due under this Note, although otherwise unmatured, to be due and payable immediately without notice or demand whatsoever. All rights and remedies of the Noteholder are cumulative and may be exercised singly or concurrently. The failure to exercise any right or remedy will not be a waiver of such right or remedy.

**Section 10. Right of Offset.** The Noteholder shall have the right of offset against amounts that may be due by the Noteholder now or in the future to Borrower against amounts due under this Note.

**Section 11. Record of Outstanding Indebtedness.** The date and amount of each repayment of principal outstanding under this Note or interest thereon shall be recorded by Noteholder in its records. The principal balance outstanding and all accrued or accruing interest owed under this Note as recorded by Noteholder in its records shall be the best evidence of the principal balance outstanding and all accrued or accruing interest owed under this Note; *provided* that the failure of Noteholder to so record or any error in so recording or computing any such amount owed shall not limit or otherwise affect the obligations of the Borrower under this Note to repay the principal balance outstanding and all accrued or accruing interest.

**Section 12. Waiver.** Borrower and each surety, endorser, guarantor, and other party now or subsequently liable for payment of this Note, severally waive demand, presentment for payment, notice of nonpayment, notice of dishonor, protest, notice of protest, notice of the intention to accelerate, notice of acceleration, diligence in collecting or bringing suit against any party liable on this Note, and further agree to any and all extensions, renewals, modifications, partial payments, substitutions of evidence of indebtedness, and the taking or release of any collateral with or without notice before or after demand by the Noteholder for payment under this Note.

**Section 13. Costs and Attorneys' Fees.** In addition to any other amounts payable to Noteholder pursuant to the terms of this Note, in the event the Noteholder incurs costs in collecting on this Note, this Note is placed in the hands of any attorney for collection, suit is filed on this Note or if proceedings are had in bankruptcy, receivership, reorganization, or other legal or judicial proceedings for the collection of this Note, Borrower and any guarantor jointly and severally agree to pay on demand to the Noteholder all expenses and costs of collection, including, but not limited to, reasonable attorneys' fees incurred in connection with any such collection, suit, or proceeding, in addition to the principal and interest then due.

**Section 14. Time of Essence.** Time is of the essence with respect to all of Borrower's obligations and agreements under this Note.

**Section 15. Jurisdiction and Venue.** THIS NOTE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE DOMESTIC LAWS OF THE STATE OF TEXAS, WITHOUT GIVING EFFECT TO ANY CHOICE OF LAW OR CONFLICT OF LAW PROVISION OR RULE (WHETHER OF THE STATE OF TEXAS OR ANY OTHER JURISDICTION) THAT WOULD CAUSE THE APPLICATION OF THE LAWS OF ANY JURISDICTION OTHER THAN THE STATE OF TEXAS. BORROWER CONSENTS TO JURISDICTION IN THE COURTS LOCATED IN DALLAS, TEXAS

**Section 16. Notice.** Any notice or demand required by this Note shall be deemed to have been given and received on the earlier of **(i)** when the notice or demand is actually received by the recipient or **(ii)** 72 hours after the notice is deposited in the United States mail, certified or registered, with postage prepaid, and addressed to the recipient. The address for giving notice or demand under this Note **(i)** to the Noteholder shall be the place of payment specified in **Section 3** or such other place as the Noteholder may specify in writing to the Borrower and **(ii)** to Borrower shall be the address below the Borrower's signature or such other place as the Borrower may specify in writing to the Noteholder.

**Section 17. Successors and Assigns.** All of the covenants, obligations, promises and agreements contained in this Note made by Borrower shall be binding upon its successors and permitted assigns, as applicable. Notwithstanding the foregoing, Borrower shall not assign this Note or its performance under this Note without the prior written consent of the Noteholder.

**Section 18. Definitions.** For purposes of this Note, the following terms shall have the following meanings:

**(a) "Basis Point"** shall mean 1/100<sup>th</sup> of 1 percent.

**(b) "Business Day"** shall mean any day banks are open in the state of Texas.

**(c) "Contract Rate"** means the amount of any interest (including fees, charges or expenses or any other amounts that, under applicable law, are deemed interest) contracted for, charged or received by or for the account of Noteholder.

**(d) "Event of Default"** wherever used herein, means any one of the following events:

**(i)** the Borrower fails to pay any amount due on this Note and/or any fees or sums due under or in connection with this Note after any such payment otherwise becomes due and payable and three Business Days after demand for such payment;

**(ii)** the Borrower otherwise fails to perform or observe any other provision contained in this Note and such breach or failure to perform shall continue for a period of thirty days after notice thereof shall have been given to the Borrower by the Noteholder;

(iii) a case shall be commenced against Borrower, or Borrower shall file a petition commencing a case, under any provision of the Federal Bankruptcy Code of 1978, as amended, or shall seek relief under any provision of any other bankruptcy, reorganization, arrangement, insolvency, readjustment of debt, dissolution or liquidation law of any jurisdiction, whether now or hereafter in effect, or shall consent to the filing of any petition against it under such law, or Borrower shall make an assignment for the benefit of its creditors, or shall admit in writing its inability to pay its debts generally as they become due, or shall consent to the appointment of a receiver, trustee or liquidator of Borrower or all or any part of its property; or

(iv) an event occurs that, with notice or lapse of time, or both, would become any of the foregoing Events of Default.

(e) “**Final Payment Date**” shall mean the earlier of:

- written demand by the Noteholder for payment of all or part of the unpaid principal, the accrued and unpaid interest thereon and the accrued and unpaid commitment fee thereon, but in any event no earlier than December 31, 2013; or
- acceleration as provided herein.

(f) “**Maximum Rate**” shall mean the highest lawful rate permissible under applicable law for the use, forbearance or detention of money.

(g) “**Prime Rate**” shall mean the fluctuating interest rate per annum in effect from time to time equal to the base rate on corporate loans as reported as the Prime Rate in the Money Rates column of *The Wall Street Journal* or other reliable source.

(h) “**Unused Commitment Amount**” for any period on after the date of this Note shall mean the average on each day of such period of the difference between (A) \$225,000,000.00 and (B) the amount of the unpaid principal balance of this Note.

(i) “**Unused Commitment Fee**” shall mean the product of (A) 50 Basis Points per annum (pro rated to take into account that the fee is payable quarterly, or such shorter period if applicable) and (B) the Unused Commitment Amount.

**BORROWER:**

**VALHI, INC.**

By: \_\_\_\_\_

*Gregory M. Swalwell*

*Vice President and Controller*

Address:

5430 LBJ Freeway, Suite 1700  
Dallas, Texas 75240-2697

As of the date hereof, Kronos Worldwide, Inc., as the Noteholder, hereby agrees that this Note renews and replaces, amends and restates in its entirety the Second Amended Note, which renewed, replaced, amended and restated the First Amended Note, which renewed, replaced, amended and restated the Original Note, and that the unpaid principal of \$136,100,000, the accrued and unpaid interest thereon of nil and the accrued and unpaid commitment fee thereon of nil that was owed under the Second Amended Note as of the close of business on December 31, 2011 is the unpaid principal, the accrued and unpaid interest thereon and the accrued and unpaid commitment fee thereon owed under this Note as of the close of business on the date of this Note.

**KRONOS WORLDWIDE, INC.**

By: \_\_\_\_\_  
*Tim C. Hafer*  
*Vice President and Controller*



## SUBSIDIARIES OF THE REGISTRANT

<u>NAME OF CORPORATION</u>	<u>Jurisdiction of incorporation or organization</u>	<u>% of Voting Securities Held at December 31, 2011(a)</u>
Kronos Canada, Inc.	Canada	100
Kronos International, Inc.	Delaware	100
Kronos Titan GmbH	Germany	100
Société Industrielle du Titane, S.A.	France	99
Kronos Limited	United Kingdom	100
Kronos Denmark ApS	Denmark	100
Kronos Europe S.A./N.V.	Belgium	100
Kronos B.V.	Netherlands	100
Kronos Norge A/S	Norway	100
Kronos Titan A/S	Norway	100
Titania A/S	Norway	100
The Jossingfjord Manufacturing Company A/S	Norway	100
Kronos Louisiana, Inc.	Delaware	100
Kronos (US), Inc.	Delaware	100
Louisiana Pigment Company, L.P.	Delaware	50

(a) Held by the Registrant or the indicated subsidiary of the Registrant

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 (No. 333-113425) of Kronos Worldwide, Inc. of our report dated March 5, 2012 relating to the consolidated financial statements, financial statement schedule and effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP

Dallas, Texas  
March 5, 2012

## CERTIFICATION

I, Steven L. Watson, certify that:

- 1) I have reviewed this annual report on Form 10-K of Kronos Worldwide, Inc.;
- 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 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 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.

Date: March 5, 2012

/s/ Steven L. Watson

Steven L. Watson  
Chief Executive Officer

## CERTIFICATION

I, Gregory M. Swalwell, certify that:

- 1) I have reviewed this annual report on Form 10-K of Kronos Worldwide, Inc.;
- 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 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 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.

Date: March 5, 2012

/s/ Gregory M. Swalwell

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Gregory M. Swalwell

Chief Financial Officer

**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 of Kronos Worldwide, Inc. (the Company) on Form 10-K for the period ended December 31, 2011 as filed with the Securities and Exchange Commission on the date hereof (the Report), I, Steven L. Watson, Chief Executive Officer of the Company, and I, Gregory M. Swalwell, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (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.

/s/ Steven L. Watson

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Steven L. Watson  
Chief Executive Officer

/s/ Gregory M. Swalwell

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Gregory M. Swalwell  
Chief Financial Officer

March 5, 2012

Note: The certification the registrant furnishes in this exhibit is not deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that Section. Registration Statements or other documents filed with the Securities and Exchange Commission shall not incorporate this exhibit by reference, except as otherwise expressly stated in such filing.