

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

**FORM 10-K**

**Annual Report Pursuant to Section 13 OR 15(d) of the Securities Exchange Act of 1934:**

For the fiscal year ended December 31, 2013  
Commission file number 1-640

**NL INDUSTRIES, INC.**

(Exact name of Registrant as specified in its charter)

New Jersey  
(State or other jurisdiction of  
incorporation or organization)

13-5267260  
(IRS Employer  
Identification No.)

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

Registrant's telephone number, including area code: (972) 233-1700

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

Title of each class	Name of each exchange on which registered
Common stock	New York Stock Exchange

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

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

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 6.8 million shares of voting stock held by nonaffiliates of NL Industries, Inc. as of June 30, 2013 (the last business day of the Registrant's most recently-completed second fiscal quarter) approximated \$76.9 million.

As of February 28, 2014, 48,673,884 shares of the Registrant's common stock were outstanding.

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.

## PART I

### ITEM 1. BUSINESS

#### The Company

NL Industries, Inc. was organized as a New Jersey corporation in 1891. Our common stock trades on the New York Stock Exchange, or the NYSE, under the symbol NL. References to “NL Industries,” “NL,” the “Company,” the “Registrant,” “we,” “our,” “us” and similar terms mean NL Industries, Inc. and its subsidiaries and affiliate, unless the context otherwise requires.

Our principal executive offices are located at Three Lincoln Center, 5430 LBJ Freeway, Suite 1700, Dallas, TX 75240. Our telephone number is (972) 233-1700. We maintain a website at [www.nl-ind.com](http://www.nl-ind.com).

#### Business summary

We are primarily a holding company. We operate in the component products industry through our majority-owned subsidiary, CompX International Inc. (NYSE MKT: CIX). We operate in the chemicals industry through our non-controlling interest in Kronos Worldwide, Inc. CompX and Kronos (NYSE: KRO), each file periodic reports with the Securities and Exchange Commission (SEC).

#### Organization

At December 31, 2013, (i) Valhi, Inc. (NYSE: VHI) held approximately 83% of our outstanding common stock and Contran Corporation and its subsidiaries own an aggregate of 94% of Valhi's outstanding common stock. Substantially all of Contran's outstanding voting stock is held by family trusts established for the benefit of Lisa K. Simmons and Serena Simmons Connelly, daughters of Harold C. Simmons, and their children (for which Ms. Lisa Simmons and Ms. Connelly are co-trustees) or is held directly by Ms. Lisa Simmons and Ms. Connelly or persons or entities related to them, including their step-mother Annette C. Simmons, the widow of Mr. Simmons. Prior to his death in December 2013, Mr. Simmons served as sole trustee of the family trusts. Under a voting agreement entered into in February 2014 by all of the voting stockholders of Contran, the size of the board of directors of Contran was fixed at five members, each of Ms. Lisa Simmons, Ms. Connelly and Ms. Annette Simmons have the right to designate one of the five members of the Contran board and the other two members of the Contran board must consist of members of Contran management. Ms. Lisa Simmons, Ms. Connelly, and Ms. Annette Simmons each serve as members of the Contran board. The voting agreement expires in February 2017 (unless Ms. Lisa Simmons, Ms. Connelly and Ms. Annette Simmons otherwise mutually agree), and the ability of Ms. Lisa Simmons, Ms. Connelly, and Ms. Annette Simmons to each designate one member of the Contran board is dependent upon each of their continued beneficial ownership of at least 5% of the combined voting stock of Contran. Consequently, Ms. Lisa Simmons, Ms. Connelly and Ms. Annette Simmons may be deemed to control Contran, Valhi and us.

#### Forward-looking statements

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 cyclicity of our businesses (such as Kronos' TiO2 operations)
- Customer inventory levels
- Unexpected or earlier-than-expected industry capacity expansion (such as the TiO2 industry)
- Changes in raw material and other operating costs (such as energy, ore, zinc and brass costs) and our ability to pass those costs on to our customers or offset them with reductions in other operating costs
- Changes in the availability of raw material (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, among other things, TiO2 and component products)
- Competitive pricing, products and substitute products
- Customer and competitor strategies
- Uncertainties associated with the development of new product features
- Potential consolidation of Kronos' competitors
- The impact of pricing and production decisions
- Competitive technology positions
- Potential difficulties in integrating future acquisitions
- Potential difficulties in implementing new manufacturing and accounting software systems
- The introduction of trade barriers
- Possible disruption of Kronos' or CompX's business, or increases in our cost of doing business resulting from terrorist activities or global conflicts
- The impact of current or future government regulations (including employee healthcare benefit related regulations)
- 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, transportation interruptions and cyber attacks)
- Decisions to sell operating assets other than in the ordinary course of business
- Kronos' ability to renew or refinance debt
- Our ability to maintain sufficient liquidity
- The timing and amounts of insurance recoveries
- The extent to which our subsidiaries or affiliates were to become unable to pay us dividends
- The ultimate outcome of income tax audits, tax settlement initiatives or other tax matters
- Our ability to utilize income tax attributes or changes in income tax rates related to such 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 or new developments regarding environmental remediation at sites related to our former operations)
- Government laws and regulations and possible changes therein (such as changes in government regulations which might impose various obligations on former manufacturers of lead pigment and lead-based paint, including us, with respect to asserted health concerns associated with the use of such products)
- The ultimate resolution of pending litigation (such as our lead pigment and environmental matters)
- Possible future litigation.

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

### **Operations and equity investment**

Information regarding our operations and the companies conducting such operations is set forth below. Geographic financial information is included in Note 3 to our Consolidated Financial Statements, which is incorporated herein by reference.

**Component Products**

CompX International Inc. - 87% owned  
at December 31, 2013

CompX manufactures engineered components that are sold to a variety of industries including recreational transportation (including boats), postal, office and institutional furniture, cabinetry, tool storage, healthcare, gas stations and vending equipment. CompX has production facilities in the United States.

**Chemicals**

Kronos Worldwide, Inc. - 30% owned at  
December 31, 2013

Kronos is a leading global producer and marketer of value-added titanium dioxide pigments, or TiO<sub>2</sub>, a base industrial product used in imparting whiteness, brightness, opacity and durability to a diverse range of customer applications and end-use markets, including coatings, plastics, paper, inks, food, cosmetics and other industrial and consumer “quality-of-life” products. Kronos has production facilities in Europe and North America. Sales of TiO<sub>2</sub> represented about 90% of Kronos’ net sales in 2013, with sales of other products that are complementary to Kronos’ TiO<sub>2</sub> business comprising the remainder.

**COMPONENT PRODUCTS - COMPX INTERNATIONAL INC.**

**Industry overview** - Through our majority-owned subsidiary, CompX, we manufacture engineered components that are used in a variety of applications and industries including recreational transportation (including boats), postal, office and institutional furniture, cabinetry, tool storage, healthcare, gas stations and vending equipment. We continuously seek to diversify into new markets and identify new applications and features for our products, which we believe provide a greater potential for higher rates of earnings growth as well as diversification of risk.

**Manufacturing, operations and products** - CompX’s Security Products business, with one manufacturing facility in South Carolina and one in Illinois shared with the Marine Components business, manufactures mechanical and electrical cabinet locks and other locking mechanisms used in a variety of applications including ignition systems, mailboxes, file cabinets, desk drawers, tool storage cabinets, vending and gaming machines, high security medical cabinetry, electrical circuit panels, storage compartments and gas station security. We believe that CompX is a North American market leader in the manufacture and sale of cabinet locks and other locking mechanisms. These products include:

- disc tumbler locks which provide moderate security and generally represent the lowest cost lock to produce;
- pin tumbler locking mechanisms which are more costly to produce and are used in applications requiring higher levels of security, including *KeSer*<sup>®</sup> and *System 64*<sup>®</sup> (which each allow the user to change the keying on a single lock 64 times without removing the lock from its enclosure) and *TuBar*<sup>®</sup>; and
- our innovative *CompX eLock*<sup>®</sup> and *Stealthlock*<sup>®</sup> electrical locks which provide stand-alone or networked security and audit trail capability for drug storage and other valuables through the use of a proximity card, magnetic stripe or keypad credentials.

A substantial portion of CompX’s Security Products sales consists of products with specialized adaptations to an individual customer’s specifications, some of which are listed above. CompX also has a standardized product line suitable for many customers which is offered through a North American distribution network to locksmith distributors and smaller original equipment manufacturers (OEMs) via its *STOCK LOCKS*<sup>®</sup> distribution program.

CompX’s Marine Components business, with a facility in Wisconsin and a facility shared with the Security Products business in Illinois, manufactures and distributes stainless steel exhaust components, gauges, throttle controls, hardware and accessories primarily for performance and ski/wakeboard boats. CompX’s specialty marine component products are high-precision components designed to operate within tight tolerances in the highly demanding marine environment. These products include:

- original equipment and aftermarket stainless steel exhaust headers, exhaust pipes, mufflers and other exhaust components;
- high-performance gauges such as GPS speedometers and tachometers;
- mechanical and electronic controls and throttles;
- steering wheels and other billet aluminum accessories and
- dash panels, LED lighting, wire harnesses and other accessories.

CompX operated three manufacturing facilities at December 31, 2013.

<u>Security Products</u>	<u>Marine Components</u>
Mauldin, SC	Neenah, WI
Grayslake, IL	Grayslake, IL

**Raw materials** - The primary raw materials used in CompX's manufacturing processes are:

- zinc and brass (used in the Security Products business for the manufacture of locking mechanisms) and
- stainless steel (used primarily in the Marine Components business for the manufacture of exhaust headers and pipes and other components).

These raw materials are purchased from several suppliers, are readily available from numerous sources and accounted for approximately 1 1% of our total cost of sales for 2013.

CompX occasionally enters into short-term supply arrangements for its commodity-related raw materials to mitigate the impact of future increases in raw material prices that are affected by commodity markets. These arrangements generally provide for stated unit prices based upon specified purchase volumes which help us stabilize our commodity-related raw material costs to a certain extent. Commodity-related raw materials purchased outside of these arrangements are sometimes subject to unanticipated and sudden price increases. We generally seek to mitigate the impact of fluctuations in these raw material costs on our margins through improvements in production efficiencies or other operating cost reductions. In the event we are unable to offset raw material cost increases with other cost reductions, it may be difficult to recover those cost increases through increased product selling prices or raw material surcharges due to the competitive nature of the markets served by our products. Consequently, overall operating margins can be affected by commodity-related raw material cost pressures. Commodity market prices are cyclical, reflecting overall economic trends, specific developments in consuming industries and speculative investor activities.

**Patents and trademarks** - CompX holds a number of patents relating to component products, certain of which are believed to be important to CompX and its continuing business activity. Patents generally have a term of 20 years, and CompX's patents have remaining terms ranging from less than 1 year to 18 years at December 31, 2013. CompX's major trademarks and brand names include:

**Security Products**

*CompX® Security Products™*  
*National Cabinet Lock®*  
*Fort Lock®*  
*Fort®*  
*Timberline®*  
*Chicago Lock®*  
*STOCK LOCKS®*  
*KeSet®*  
*TuBar®*  
*StealthLock®*  
*ACE®*  
*ACE® II*  
*CompX eLock®*  
*Lockview®*  
*System64®*  
*SlamCAM®*  
*RegulatoR®*  
*CompXpress®*  
*GEM®*

**Marine Components**

*Custom Marine®*  
*Livorsi® Marine*  
*Livorsi II® Marine*  
*CMI™ Industrial Mufflers*  
*Custom Marine® Stainless Exhaust*  
*The #1 Choice in Performance Boating®*  
*Mega Rim®*  
*Race Rim®*  
*CompX Marine®*  
*Vantage View®*  
*GEN-X®*

**Sales, marketing and distribution** - A majority of CompX's component sales are sold directly to large OEM customers through our factory-based sales and marketing professionals supported by engineers working in concert with field salespeople and independent manufacturer's representatives. We select manufacturer's representatives based on special skills in certain markets or relationships with current or potential customers.

In addition to sales to large OEM customers, a significant portion of CompX's Security Products sales are made through distributors. We have a significant North American market share of cabinet lock security product sales as a result of the locksmith distribution channel. We support our locksmith distributor sales with a line of standardized products used by the largest businesses of the marketplace. These products are packaged and merchandised for easy availability and handling by distributors and end users.

In 2013, CompX's ten largest customers, all Security Products customers, accounted for approximately 42% of our total sales. San Mateo Postal Data and Harley Davidson accounted for approximately 13% and 12%, respectively, of total sales for the year ended December 31, 2013. Overall, our customer base is diverse and the loss of any single customer would not in itself have a material adverse effect on our operations.

**Competition** - The markets in which CompX participates are highly competitive. CompX competes primarily on the basis of product design, including space utilization and aesthetic factors, product quality and durability, price, on-time delivery, service and technical support. CompX focuses its efforts on the middle and high-end businesses of the market, where product design, quality, durability and service are valued by the customer. The Security Products business competes against a number of U.S. and non-U.S. manufacturers. The Marine Components business competes with small U.S. manufacturers and is minimally affected by non-U.S. competitors.

**Regulatory and environmental matters** - CompX's operations are subject to federal, state and local environmental laws and regulations relating to the use, storage, handling, generation, transportation, treatment, emission, discharge, disposal, remediation of and exposure to hazardous and non-hazardous substances, materials and wastes. CompX's operations are also subject to federal, state and local regulations relating to worker health and safety. We believe that CompX is in substantial compliance with all such laws and regulations. To date, the costs of maintaining compliance with such laws and regulations have not significantly impacted our results of operations. We currently do not anticipate any significant costs or expenses relating to such matters; however, it is possible future laws and regulations may require us to incur significant additional expenditures.

**Discontinued operations** - On December 28, 2012, we completed the sale of CompX's Furniture Components operations to a competitor for proceeds, net of expenses, of approximately \$58.0 million in cash. We recognized a pre-tax gain of approximately \$23.7 million on the disposal of these operations. See Note 2 to our Consolidated Financial Statements.

**Employees** - As of December 31, 2013, CompX employed 506 people, all in the United States. We believe our labor relations are good at all of our facilities.

## **CHEMICALS - KRONOS WORLDWIDE, INC.**

**Business overview** - Kronos 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. Kronos, along with its distributors and agents, sells and provides technical services for its products to over 4,000 customers in approximately 100 countries with the majority of sales in Europe and North America. We believe that Kronos has developed considerable expertise and efficiency in the manufacture, sale, shipment and service of its 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, Kronos believes that 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 Kronos believes that 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 2.9% since 1990. Per capita consumption of TiO<sub>2</sub> in Western Europe and the United States 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> on a per capita basis. Kronos believes that Western Europe and North America currently account for approximately 20% and 17% of global TiO<sub>2</sub> consumption, respectively. Markets for TiO<sub>2</sub> are generally increasing in South America, Eastern Europe, the Asia Pacific region and China and Kronos believes these are significant markets where it expects continued growth 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 increased primarily due to debottlenecking existing production facilities in the western world and construction of new plants in China. 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. As demand weakened in 2012 as a result of global economic weakness and uncertainty, TiO<sub>2</sub> selling prices decreased. Demand improved in 2013, particularly in Europe, and selling prices began to stabilize. Kronos expects that demand for TiO<sub>2</sub> products will continue to increase as economic conditions improve in the various regions of the world.

**Products and end-use markets** - Kronos, including its predecessors, has produced and marketed TiO<sub>2</sub> in North America and Europe, its primary markets, for over 90 years. We believe that Kronos is the largest producer of TiO<sub>2</sub> in Europe with approximately one-half of its sales volumes attributable to markets in Europe.

The table below shows Kronos' market share for its significant markets, Europe and North America, for the last three years.

	2011	2012	2013
Europe	19%	19%	18%
North America	17%	19%	18%

We believe that Kronos is the leading seller of TiO<sub>2</sub> in several countries, including Germany, with an estimated 9% share of worldwide TiO<sub>2</sub> sales volume in 2013. Overall, Kronos is one of the top five producers of TiO<sub>2</sub> in the world.

Kronos offers its customers a broad portfolio of products that includes 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. Kronos' major customers include domestic and international paint, plastics, decorative laminate and paper manufacturers. Kronos ships TiO<sub>2</sub> to customers in either a powder or slurry form via rail, truck and/or ocean carrier. Sales of its core TiO<sub>2</sub> pigments represented approximately 90% of Kronos' net sales in 2013. Kronos and its agents and distributors primarily sell and provide technical services for Kronos' products in three major end-use markets: coatings, plastics and paper. The following tables show Kronos' approximate sales volume by geographic region and end use for the year ended December 31, 2013:

Sales Volumes Percentages by Geographic Region		Sales Volumes Percentages by End-use	
Europe	49%	Coatings	54%
North America	33%	Plastics	33%
Asia Pacific	4%	Other	8%
Rest of world	14%	Paper	5%

Some of the principal applications for Kronos' products include the following.

*TiO<sub>2</sub> for coatings* – Kronos' 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 the TiO<sub>2</sub> content.

*TiO<sub>2</sub> for plastics* - Kronos produces 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* – Kronos' 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 Kronos sells its TiO<sub>2</sub> to all segments of the paper end-use market, its 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.  $\text{TiO}_2$  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* – Kronos produces  $\text{TiO}_2$  to improve the opacity and hiding power of printing inks.  $\text{TiO}_2$  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. Kronos'  $\text{TiO}_2$  is also used in textile applications where  $\text{TiO}_2$  functions as an opacifying and delustering agent. In man-made fibers such as rayon and polyester,  $\text{TiO}_2$  corrects an otherwise undesirable glossy and translucent appearance. Without the presence of  $\text{TiO}_2$ , these materials would be unsuitable for use in many textile applications.

Kronos produces high purity sulfate process anatase  $\text{TiO}_2$  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. Kronos'  $\text{TiO}_2$  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,  $\text{TiO}_2$  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).

Kronos'  $\text{TiO}_2$  business is enhanced by the following three complementary businesses, which comprised approximately 10% of its net sales in 2013:

- Kronos owns and operates two ilmenite mines in Norway pursuant to a governmental concession with an unlimited term. Ilmenite is a raw material used directly as a feedstock by some sulfate-process  $\text{TiO}_2$  plants. We believe that Kronos has a significant competitive advantage because its mines supply the feedstock requirements for all of its European sulfate-process plants. Kronos also sells ilmenite ore to third-parties, some of which are competitors. The mines have estimated ilmenite reserves that are expected to last at least 50 years.
- Kronos manufactures and sells iron-based chemicals, which are co-products and processed co-products of the sulfate and chloride process  $\text{TiO}_2$  pigment production. These co-product chemicals are marketed through Kronos' Ecochem division and are primarily used as treatment and conditioning agents for industrial effluents and municipal wastewater as well as for the manufacture of iron pigments, cement and agricultural products.
- Kronos manufactures and sells titanium oxychloride and titanyl sulfate, which are side-stream specialty products from the production of  $\text{TiO}_2$ . 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*** - Kronos produces  $\text{TiO}_2$  in two crystalline forms: rutile and anatase. Rutile  $\text{TiO}_2$  is manufactured using both a chloride production process and a sulfate production process, whereas anatase  $\text{TiO}_2$  is only produced using a sulfate production process. Manufacturers of many end-use applications can use either form, especially during periods of tight supply for  $\text{TiO}_2$ . 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  $\text{TiO}_2$  industry sales represented by chloride process pigments has increased relative to sulfate process pigments and in 2013, chloride process production facilities represented approximately 47% of industry capacity. The sulfate process is preferred for use in selected paper products, ceramics, rubber tires, man-made fibers, food products and cosmetics. Once an intermediate  $\text{TiO}_2$  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).

- *Chloride process* - The chloride process is a continuous process in which chlorine is used to extract rutile  $\text{TiO}_2$ . 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, although the chloride process requires a higher-skilled labor force. 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 treatment.

Kronos produced 474,000 metric tons of TiO<sub>2</sub> in 2013, up from the 469,000 metric tons produced in 2012. Kronos' production amounts include its share of the output produced by its TiO<sub>2</sub> manufacturing joint-venture discussed below in "TiO<sub>2</sub> Manufacturing Joint Venture." Kronos' average production capacity utilization rates were near full capacity in 2011, and approximately 85% and 86% of capacity in 2012 and 2013, respectively. Kronos' production utilization rates in 2013 were impacted by a labor lockout at its Canadian production facility that began in June 2013 and ended in November 2013, as discussed below in "Employees." Kronos operated its Canadian plant at approximately 15% of the plant's capacity with non-union management employees during the lockout.

Kronos operates four TiO<sub>2</sub> plants in Europe (one in each of Leverkusen, Germany; Nordenham, Germany; Langerbrugge, Belgium; and Fredrikstad, Norway). In North America, Kronos has 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.

Kronos' production capacity in 2013 was 550,000 metric tons, approximately three-fourths of which was from the chloride production process. The following table presents the division of Kronos' expected 2014 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%	25%
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	-	22
Varennes, Canada	TiO <sub>2</sub> production, chloride and sulfate process, slurry facility, titanium chemicals products	21	13
Lake Charles, Louisiana (3)	TiO <sub>2</sub> production, chloride process	19	-
Total		100%	100%

- (1) The Leverkusen facility is located within an extensive manufacturing complex owned by Bayer AG. Kronos owns the Leverkusen facility, which represents about one-third of its current TiO<sub>2</sub> production capacity, but it leases 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 2063.
- (3) Kronos operates the Lake Charles facility in a joint venture with Tioxide Americas, LLC (Tioxide), a subsidiary of Huntsman Corporation and the amount indicated in the table above represents the share of the TiO<sub>2</sub> produced by the joint venture to which Kronos is entitled. See in "TiO<sub>2</sub> Manufacturing Joint Venture."

Kronos owns the land underlying all of its principle production facilities unless otherwise indicated in the table above.

Kronos' production capacity has increased by approximately 17% over the past ten years due to debottlenecking programs, with only moderate capital expenditures. We believe that Kronos' annual attainable production capacity for 2014 is approximately 555,000 metric tons. While we currently expect Kronos' production capacity for 2014 will be higher in 2014 as compared to 2013, we expect that Kronos will operate at less-than-full production capacity for the 2014, due principally to the ramp-up of operations at its Canadian facility following the end of the lockout in November 2013 when the terms of a new collective bargaining agreement were reached as well as the implementation of certain productivity-enhancing capital improvement projects at other facilities which will result in longer-than-normal maintenance shutdowns in certain instances.

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

Kronos has 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 and Tioxide 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> facility located in Lake Charles, Louisiana. Kronos shares production from the plant equally with Huntsman pursuant to separate offtake agreements.

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

The joint venture is not consolidated in Kronos' financial statements, because Kronos does not control it. Kronos accounts for its interest in the joint venture by the equity method. The joint venture operates on a break-even basis and therefore Kronos does not have any equity in earnings of the joint venture. Kronos is required to purchase one half of the TiO<sub>2</sub> produced by the joint venture. Kronos shares all costs and capital expenditures equally with Huntsman with the exception of raw material and packaging costs for the pigment grades produced. Kronos' share of net costs is reported as cost of sales as the TiO<sub>2</sub> is sold.

**Raw materials** - The primary raw materials used in chloride process TiO<sub>2</sub> are titanium-containing feedstock (purchased natural rutile ore or 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. Kronos purchases 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 Tronox Mineral Sands (PTY) LTD under a supply contract that expires in December 2015. Kronos purchases 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. Kronos purchases natural rutile ore under contracts primarily from Iluka Resources, Limited and Sierra Rutile Limited (under a new supply contract entered into in January 2014) that expire in 2014. In the past Kronos has been, and expects to continue to be successful in obtaining short-term and long-term extensions to these and other existing supply contracts prior to their expiration. Kronos expects the raw materials purchased under these contracts, and contracts that it may enter into in the near term, will meet its chloride process feedstock requirements over the next several years.

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

o n o s o p e r a t e s  
two rock ilmenite mines in Norway, which provided all of the feedstock for its European sulfate process TiO<sub>2</sub> plants in 2013. Kronos expects ilmenite production from its mines to meet its European sulfate process feedstock requirements for the foreseeable future. For its Canadian sulfate process plant, Kronos also purchases sulfate grade slag primarily from Q.I.T. Fer et Titane Inc. (a subsidiary of Rio Tinto Iron and Titanium), under a supply contract that expires at the end of 2014. Kronos expects the raw materials purchased under these contracts, and contracts that it may enter into in the near term, to meet its sulfate process feedstock requirements over the next several years.

Many of Kronos' raw material contracts contain fixed quantities it is required to purchase, or specify a range of quantities within which Kronos is required to purchase. The pricing under these agreements is generally negotiated quarterly.

The following table summarizes Kronos' raw materials purchased or mined in 2013.

<b>Production process/raw material</b>	<b>Raw materials procured or mined</b>
	(In thousands of metric tons)
<b>Chloride process plants:</b>	
Purchased slag or rutile ore	390
<b>Sulfate process plants:</b>	
Ilmenite ore mined and used internally	310
Purchased slag	25

**Sales and marketing** - Kronos' 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 Kronos' customers, the purchasing decisions are often made by customers' senior management. Kronos works to maintain close relationships with the key decision makers, through in-depth and frequent in-person meetings. Kronos endeavors to extend these commercial and technical relationships to multiple levels within its customers' organization by using its direct sales force and technical service group to accomplish this objective. We believe this has helped build customer loyalty to Kronos and strengthen its competitive position. Close cooperation and strong customer relationships enable Kronos to stay closely attuned to trends in its customers' businesses. Where appropriate, Kronos works in conjunction with customers to solve formulation or application problems by modifying specific product properties or developing new pigment grades. Kronos also focuses its sales and marketing efforts on those geographic and end-use market businesses where Kronos believes it can realize higher selling prices. This focus includes continuously reviewing and optimizing customer and product portfolios.

Kronos' marketing strategy is also aimed at working directly with customers to monitor the success of its 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 its customers. Kronos' marketing staff closely coordinates with its sales force and technical specialists to ensure that the needs of its customers are met, and to help develop and commercialize new grades where appropriate.

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

Kronos sells to a diverse customer base with only one customer representing 10% or more of its sales in 2013 (Behr Process Corporation – 10%). Kronos' largest ten customers accounted for approximately 34% of sales in 2013.

Neither Kronos' business as a whole nor any of its 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. With certain exceptions, Kronos has historically operated its production facilities at near full capacity rates throughout the entire year, which among other things helps to minimize its per-unit production costs. As a result, Kronos normally will build inventories during the first and fourth quarters of each year, in order to maximize 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. Kronos competes 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 Kronos' grades and substantially all of its production are considered commodity pigments with price and availability being the most significant competitive factors along with quality and customer service. During 2013, Kronos had an estimated 9% share of worldwide TiO<sub>2</sub> sales volume, and based on sales volumes, we believe that Kronos is the leading seller of TiO<sub>2</sub> in several countries, including Germany.

Kronos' 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 six TiO<sub>2</sub> producers account for approximately 60% of the world's production capacity. In September 2013, Huntsman announced its intent to purchase Sachtleben's TiO<sub>2</sub> business as well as certain other assets from Sachtleben's parent company, which acquisition Huntsman has indicated it expects to be completed by June 2014. Concurrently, Huntsman also announced its intent to spin-off the consolidated TiO<sub>2</sub> business within two years of the acquisition. In October 2013, DuPont announced its intent to spin-off its TiO<sub>2</sub> operations into a separate publicly-traded company by April 2015.

The following chart shows Kronos' estimate of worldwide production capacity in 2013:

DuPont	18%
Cristal	11%
Kronos	9%
Huntsman	9%
Tronox	7%
Sachtleben	5%
Other	41%

DuPont has over one-half of total North American TiO<sub>2</sub> production capacity and is Kronos' principal North American competitor

Over the past ten years, Kronos and its competitors have increased industry capacity through debottlenecking projects, which in part compensated for the shutdown of various TiO<sub>2</sub> plants in France, the United States 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 generally higher in 2014 as compared to 2013 as a result of improving worldwide economic conditions, Kronos does not expect any other significant efforts will be undertaken by it or its competitors to further increase capacity for the foreseeable future, other than through debottlenecking projects. If actual developments differ from its expectations, the TiO<sub>2</sub> industry's performance and that of Kronos 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 to expand existing capacity. In addition, Kronos believes 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 Kronos' believes will take a few years to complete. Kronos believes 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** - Kronos employs 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 Kronos' competitive position by developing new applications. Kronos' expenditures for these activities were approximately \$20 million in 2011, \$19 million in 2012 and \$18 million in 2013. Kronos expects to spend \$21 million on research and development in 2014.

Kronos continually seeks to improve the quality of its grades and has been successful at developing new grades for existing and new applications to meet the needs of its customers and increase product life cycles. Since 2008, Kronos has added four new grades for pigments and other applications.

**Patents, trademarks, trade secrets and other intellectual property rights** - Kronos has a comprehensive intellectual property protection strategy that includes obtaining, maintaining and enforcing its patents, primarily in the United States, Canada and Europe. Kronos also protects its trademark and trade secret rights and has entered into license agreements with third parties concerning various intellectual property matters. Kronos has also from time to time been involved in disputes over intellectual property.

**Patents** - Kronos has obtained patents and has numerous patent applications pending that cover its products and the technology used in the manufacture of its products. Kronos' patent strategy is important to Kronos and its continuing business activities. In addition to maintaining its patent portfolio, Kronos seeks patent protection for its 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. Kronos' U.S. patent portfolio includes patents having remaining terms ranging from one year to 18 years.

**Trademarks and trade secrets** - Kronos' trademarks, including Kronos®, are covered by issued and or pending registrations, including in Canada and the United States. Kronos protects the marks that it uses in connection with the products it manufactures and sells and has developed goodwill in connection with the long-term use of its trademarks. Kronos conducts research activities in secret and it protects the confidentiality of its trade secrets through reasonable measures, including confidentiality agreements and security procedures. Kronos relies upon unpatented proprietary knowledge and continuing technological innovation and other trade secrets to develop and maintain its competitive position. Kronos' proprietary chloride production process is an important part of its technology and its business could be harmed if Kronos fails to maintain confidentiality of its trade secrets used in this technology.

**Employees** - As of December 31, 2013, Kronos employed the following number of people:

Europe	2,065
Canada	335
United States (1)	50
Total	<u>2,450</u>

(1) Excludes employees of Kronos' Louisiana joint venture.

Certain employees at each of Kronos' production facilities are organized by labor unions. In Europe, union employees are covered by master collective bargaining agreements for the chemical industry that are generally renewed annually. Unionized employees in Kronos' Canadian production facility were covered by a collective bargaining agreement that expired June 15, 2013. The union employees represented by the Confederation des

Syndicat National (CSN) rejected Kronos' revised global offer, and Kronos declared a lockout of unionized employees upon the expiration of the existing contract. Effective the end of November 2013, Kronos reached an agreement on the terms of a new collective bargaining agreement with the CSN and the unionized employees that expires in June 2018. The unionized employees began to return to work in December 2013, and production resumed in February 2014. Among other things, the new agreement provides for the reduction in Kronos' Canadian workforce and the freezing of the defined benefit pension plan for hourly workers effective at the end of 2013 (which was replaced with a new defined contribution benefit plan.) These and other provisions of the new agreement are intended to reduce the operating costs of such facility going forward. At December 31, 2013, approximately 86% of Kronos' worldwide workforce is organized under collective bargaining agreements. It is possible that there could be future work stoppages or other labor disruptions that could materially and adversely affect Kronos' business, results of operations, financial position or liquidity.

**Regulatory and environmental matters** - Kronos' 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, air or water; and the health and safety of employees. Certain of Kronos' 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 Kronos' past and current operations and products have the potential to cause environmental or other damage. Kronos has implemented and continues to implement various policies and programs in an effort to minimize these risks. Kronos' policy is to comply with applicable environmental laws and regulations at all of its facilities and to strive to improve environmental performance. It is possible that future developments, such as stricter requirements in environmental laws and enforcement policies, could adversely affect Kronos' operations, including production, handling, use, storage, transportation, sale or disposal of hazardous or toxic substances or require Kronos to make capital and other expenditures to comply, and could adversely affect its consolidated financial position and results of operations or liquidity.

Kronos' 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 Kronos has not incurred and does not currently anticipate any material liabilities in connection with such environmental laws, it 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 Kronos' sulfate plant facilities in Germany, it recycles spent sulfuric acid either through contracts with third parties or at its own facilities. In addition, at Kronos' German locations it has a contract with a third party to treat certain sulfate-process effluents. At its Norwegian plant, Kronos ships 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, Kronos' facilities may be subject to environmental regulatory enforcement under U.S. and non-U.S. statutes. Typically Kronos establishes compliance programs to resolve these matters. Occasionally, Kronos may pay penalties. To date such penalties have not involved amounts having a material adverse effect on Kronos' consolidated financial position, results of operations or liquidity. We believe that all of Kronos' facilities are in substantial compliance with applicable environmental laws.

Kronos' 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 its manufacturing facilities, were \$24.8 million in 2013 and are currently expected to be approximately \$14 million in 2014.

#### **Other**

In addition to our 87% ownership of CompX and our 30% ownership of Kronos at December 31, 2013, we also own 100% of EWIRE, Inc., an insurance brokerage and risk management services company. We also hold certain marketable securities and other investments. See Notes 6 and 16 to our Consolidated Financial Statements.

**Regulatory and environmental matters** - We discuss regulatory and environmental matters in the respective business sections contained elsewhere herein and in Item 3 - "Legal Proceedings." In addition, the information included in Note 18 to our Consolidated Financial Statements under the captions "Lead pigment litigation" and "Environmental matters and litigation" is incorporated herein by reference.

**Insurance** - We maintain insurance for our businesses and operations, with customary levels of coverage, deductibles and limits. See also Item 3 - "Legal Proceedings - Insurance coverage claims" and Note 17 to our Consolidated Financial Statements.

**Business strategy** - We routinely compare our liquidity requirements and alternative uses of capital against the estimated future cash flows we expect to receive from our subsidiaries and affiliates. As a result of this process, we have in the past and may in the future seek to raise additional capital, incur debt, repurchase indebtedness in the market or otherwise modify our dividend policies, consider the sale of our interests in our subsidiaries, affiliates, business, marketable securities or other assets, or take a combination of these and other steps, to increase liquidity, reduce indebtedness and fund future activities. Such activities have in the past and may in the future involve related companies. From time to time, we also evaluate the restructuring of ownership interests among our respective subsidiaries and related companies.

We and other entities that may be affiliated with Contran routinely evaluate acquisitions of interests in, or combinations with, companies, including related companies, perceived by management to be undervalued in the marketplace. These companies may or may not be engaged in businesses related to our current businesses. In some instances, we have actively managed the businesses acquired with a focus on maximizing return-on-investment through cost reductions, capital expenditures, improved operating efficiencies, selective marketing to address market niches, disposition of marginal operations, use of leverage and redeployment of capital to more productive assets. In other instances, we have disposed of the acquired interest in a company prior to gaining control. We intend to consider such activities in the future and may, in connection with such activities, consider issuing additional equity securities and increasing our indebtedness.

**Available information** - Our fiscal year ends December 31. We furnish our shareholders with annual reports containing audited financial statements. In addition, we file annual, quarterly and current reports, proxy and information statements and other information with the SEC. Our consolidated subsidiary (CompX) and our significant equity method investee (Kronos) also file annual, quarterly, and current reports, proxy and information statements and other information with the SEC. We also make our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments thereto available free of charge through our website at [www.nl-ind.com](http://www.nl-ind.com) as soon as reasonably practicable after they have been filed with the SEC. We also provide to anyone, without charge, copies of such documents upon written request. Such requests should be directed to the attention of the Corporate Secretary at our address on the cover page of this Form 10-K.

Additional information, including our Audit Committee charter, our Code of Business Conduct and Ethics and our Corporate Governance Guidelines can be found on our website. Information contained on our website is not part of this Annual Report.

The general public may read and copy any materials we file with the SEC at the SEC's Public Reference Room at 100 F Street, NE, Washington, DC 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

Listed below are certain risk factors associated with us and our businesses . 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.

### **We could incur significant costs related to legal and environmental matters.**

We formerly manufactured lead pigments for use in paint. We and others have been named as defendants in various legal proceedings seeking damages for personal injury, property damage and governmental expenditures allegedly caused by the use of lead-based paints. These lawsuits seek recovery under a variety of theories, including public and private nuisance, negligent product design, negligent failure to warn, strict liability, breach of warranty, conspiracy/concert of action, aiding and abetting, enterprise liability, market share or risk contribution liability, intentional tort, fraud and misrepresentation, violations of state consumer protection statutes, supplier negligence and similar claims. The plaintiffs in these actions generally seek to impose on the defendants responsibility for lead paint abatement and health concerns associated with the use of lead-based paints, including damages for personal injury, contribution and/or indemnification for medical expenses, medical monitoring expenses and costs for educational programs. As with all legal proceedings, the outcome is uncertain. Any liability we might incur in the future could be material. See also Item 3 - "Legal Proceedings - Lead pigment litigation."

Certain properties and facilities used in our former operations are the subject of litigation, administrative proceedings or investigations arising under various environmental laws. These proceedings seek cleanup costs, personal injury or property damages and/or damages for injury to natural resources. Some of these proceedings involve claims for substantial amounts. Environmental obligations are difficult to assess and estimate for numerous reasons, and we may incur costs for environmental remediation in the future in excess of amounts currently estimated. Any liability we might incur in the future could be material. See also Item 3 - "Legal Proceedings - Environmental matters and litigation."

### **Our assets consist primarily of investments in our operating subsidiaries and affiliates, and we are dependent upon distributions from our subsidiaries and affiliates.**

The majority of our operating cash flows are generated by our operating subsidiaries and affiliates, and our ability to service liabilities and to pay dividends on our common stock depends to a large extent upon the cash dividends or other distributions we receive from our subsidiaries and affiliates . Our subsidiaries and affiliates are separate and distinct legal entities and they have no obligation, contingent or otherwise, to pay such cash dividends or other distributions to us. In addition, the payment of dividends or other distributions from our subsidiaries and affiliates could be subject to restrictions on, or taxation of, dividends or repatriation of earnings under applicable law, monetary transfer restrictions, currency exchange regulations in jurisdictions in which our subsidiaries and affiliates operate or any other restrictions imposed by current or future agreements to which our subsidiaries and affiliates may be a party, including debt instruments. Events beyond our control, including changes in general business and economic conditions, could adversely impact the ability of our subsidiaries and affiliates to pay dividends or make other distributions to us. If our subsidiaries and affiliates were to become unable to make sufficient cash dividends or other distributions to us, our ability to service our liabilities and to pay dividends on our common stock could be adversely affected.

In addition, a significant portion of our assets consist of ownership interests in our subsidiaries and affiliates . If we were required to liquidate any of such securities in order to generate funds to satisfy our liabilities, we may be required to sell such securities at a time or times at which we would not be able to realize what we believe to be the actual value of such assets.

**Future acquisitions of CompX could subject us to a number of operational risks.**

A key component of CompX's strategy is to grow and diversify its business through targeted acquisitions. CompX's ability to successfully execute this component of its strategy entails a number of risks, including:

- the identification of suitable growth opportunities;
- an inaccurate assessment of acquired liabilities that were undisclosed or not properly disclosed;
- the entry into markets in which we may have limited or no experience;
- the diversion of management's attention from our core businesses;
- the potential loss of key employees or customers of the acquired businesses;
- the potential of not identifying that acquired products infringe on the intellectual property rights of others;
- difficulties in realizing projected efficiencies, synergies and cost savings; and
- an increase in our indebtedness and a limitation in our ability to access additional capital when needed.

**Many of the markets in which we operate are mature and highly competitive resulting in pricing pressure and the need to continuously reduce costs.**

Many of the markets CompX serves are highly competitive, with a number of competitors offering similar products. CompX focuses efforts on the middle and high-end business of the market where we feel that we can compete due to the importance of product design, quality and durability to the customer. However, our ability to effectively compete is impacted by a number of factors. The occurrence of any of these factors could result in reduced earnings or operating losses.

- Competitors may be able to drive down prices for our products because their costs are lower than our costs, especially products sourced from Asia.
- Competitors' financial, technological and other resources may be greater than our resources, which may enable them to more effectively withstand changes in market conditions.
- Competitors may be able to respond more quickly than we can to new or emerging technologies and changes in customer requirements.
- Consolidation of our competitors or customers in any of the markets in which we compete may result in reduced demand for our products.
- New competitors could emerge by modifying their existing production facilities to manufacture products that compete with our products.
- We may not be able to sustain a cost structure that enables us to be competitive.
- Customers may no longer value our product design, quality or durability over the lower cost products of our competitors.

**Our development of innovative features for our current component products is critical to sustaining and growing our sales.**

Historically, CompX's ability to provide value-added custom engineered component products that address requirements of technology has been a key element of its success. We spend a significant amount of time and effort to refine, improve and adapt our existing products for new customers and applications. Since expenditures for these types of activities are not considered research and development expense under accounting principles generally accepted in the United States of America, the amount of our research and development expenditures, which is not significant, is not indicative of the overall effort involved in the development of new product features. The introduction of new products and features requires the coordination of the design, manufacturing and marketing of such products with current and potential customers. The ability to coordinate these activities with current and potential customers may be affected by factors beyond CompX's control. While we will continue to emphasize the introduction of innovative new product features that target customer-specific opportunities, there can be no assurance that any new product features CompX introduces will achieve the same degree of success that it has achieved with its existing products. Introduction of new product features typically requires us to increase production volume on a timely basis while maintaining product quality. Manufacturers often encounter difficulties in increasing production volumes, including delays, quality control problems and shortages of qualified personnel or raw materials. As CompX attempts to introduce new product features in the future, there can be no assurance that

CompX will be able to increase production volume without encountering these or other problems, which might negatively impact our financial condition or results of operations.

**Failure to protect our intellectual property rights or claims by others that we infringe their intellectual property rights could substantially harm our business.**

CompX relies on patent, trademark and trade secret laws in the United States and similar laws in other countries to establish and maintain intellectual property rights in our technology and designs. Despite these measures, any of our intellectual property rights could be challenged, invalidated, circumvented or misappropriated. Others may independently discover our trade secrets and proprietary information, and in such cases we could not assert any trade secret rights against such parties. Further, there can be no assurance that any of our pending trademark or patent applications will be approved. Costly and time-consuming litigation could be necessary to enforce and determine the scope of our intellectual property rights. In addition, the laws of certain countries do not protect intellectual property rights to the same extent as the laws of the United States. Therefore, in certain jurisdictions, we may be unable to protect our technology and designs adequately against unauthorized third party use, which could adversely affect our competitive position.

Third parties may claim that we or our customers are infringing upon their intellectual property rights. Even if we believe that such claims are without merit, they can be time-consuming and costly to defend and distract our management and technical staff's attention and resources. Claims of intellectual property infringement also might require us to redesign affected technology, enter into costly settlement or license agreements or pay costly damage awards, or face a temporary or permanent injunction prohibiting us from marketing or selling certain of our technology. If we cannot or do not license the infringed technology on reasonable pricing terms or at all, or substitute similar technology from another source, our business could be adversely impacted.

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

CompX operates production facilities in the United States and Kronos operates production facilities in several countries. We believe that all production facilities are in substantial compliance with applicable environmental laws. 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 production facilities, Kronos consumes large amounts of energy, including electricity and natural gas. To date the climate change legislation in effect has not had a material adverse effect on our financial results. However, if 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. 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, income from operations and results of operations.

**Higher costs or limited availability of our raw materials may decrease our liquidity.**

Certain of the raw materials used in CompX's products are commodities that are subject to significant fluctuations in price in response to worldwide supply and demand as well as speculative investor activity. Zinc and brass are the principal raw materials used in the manufacture of security products. Stainless steel tubing is the major raw material used in the manufacture of marine exhaust systems. These raw materials are purchased from several suppliers and are generally readily available from numerous sources. CompX occasionally enters into short-term raw material supply arrangements to mitigate the impact of future increases in commodity raw material costs. Materials purchased outside of these arrangements are sometimes subject to unanticipated and sudden price increases. Should our vendors not be able to meet their contractual obligations or should we otherwise be unable to obtain necessary raw materials, we may incur higher costs for raw materials or may be required to reduce production levels, either of which may decrease our liquidity as we may be unable to offset the higher costs with increases in our selling prices or reductions in other operating costs.

For Kronos, 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 its 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 Kronos purchases raw material supplies could adversely affect their availability. If Kronos' worldwide vendors were unable to meet their contractual obligations and it was unable to obtain necessary raw materials, Kronos could incur higher costs for raw materials or may be required to reduce production levels. Kronos experienced significantly higher ore costs in 2012 which carried over into 2013. Although Kronos' purchase cost of third-party feedstock ore has and continues to moderate, such reductions did not begin to be significantly reflected in Kronos' cost of sales until the third quarter of 2013. Kronos may also experience higher operating costs such as energy costs, which could affect its profitability. Kronos may not always be able to increase selling prices to offset the impact of any higher costs or reduced production levels, which could reduce its earnings and decrease its liquidity.

Kronos has long-term supply contracts that provide for its TiO<sub>2</sub> feedstock requirements that currently expire through 2016. While Kronos believes it will be able to renew these contracts, there can be no assurance it will be successful in renewing these contracts or in obtaining long-term extensions to these contracts prior to expiration. Kronos' current agreements (including those entered into in January 2014) require Kronos to purchase certain minimum quantities of feedstock with minimum purchase commitments aggregating approximately \$820 million in years subsequent to December 31, 2013. In addition, Kronos has other long-term supply and service contracts that provide for various raw materials and services. These agreements require Kronos to purchase certain minimum quantities or services with minimum purchase commitments aggregating approximately \$123 million at December 31, 2013. Kronos' commitments under these contracts could adversely affect its financial results if it significantly reduced production and was unable to modify the contractual commitments.

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

A significant portion of our net income is attributable to sales of TiO<sub>2</sub> by Kronos. Approximately 90% of Kronos' 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 changes in economic conditions, especially in Western industrialized nations, can significantly impact Kronos' earnings and operating cash flows. Historically, the markets for many of Kronos' products have experienced alternating periods of increasing and decreasing demand. Relative changes in the selling prices for Kronos' products are one of the main factors that affect the level of its profitability. In periods of increasing demand, Kronos' selling prices and profit margins generally will tend to increase, while in periods of decreasing demand Kronos' 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. Kronos' ability to further increase capacity without additional investment in greenfield or brownfield capacity increases may be limited and as a result, Kronos' profitability may become even more dependent upon the selling prices of its 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 Kronos faces price pressures in the markets in which it operates, which may result in reduced earnings or in operating losses.**

The global market in which Kronos operates is concentrated, with the top six TiO<sub>2</sub> producers accounting for 60% 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 Kronos' competitors may be able to drive down prices for its products if their costs are lower than Kronos' costs. In addition, some of the competitors' financial, technological and other resources may be greater than Kronos' resources and such competitors may be better able to withstand changes in market conditions. Kronos' competitors may be able to respond more quickly to new or emerging technologies and changes in customer requirements. Further, consolidation of competitors or customers may result in reduced demand for Kronos' products or make it more difficult for Kronos to compete with competitors. The occurrence of any of these events could result in reduced earnings or operating losses.

**Kronos' leverage may impair our financial condition or limit our ability to operate our businesses.**

As of December 31, 2013, Kronos had consolidated debt of approximately \$183.5 million, which relates primarily to a note payable to Contran entered into in 2013 (after giving effect to Kronos' new term loan entered into in February 2014, a portion of the proceeds of which were used to prepay such note payable to Contran, Kronos' consolidated debt would have been approximately \$363.5 million). Kronos' level of debt could have important consequences to its stockholders (including us) and creditors, including:

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

In addition to Kronos' indebtedness, at December 31, 2013, Kronos is party to various lease and other agreements (including feedstock ore purchase contracts as previously described) pursuant to which, along with its indebtedness, Kronos is committed to pay approximately \$472 million in 2014. Such \$472 million amount reflects the impact of a new term loan Kronos incurred in February 2014, and the application of the proceeds of such term loan. Kronos' ability to make payments on and refinance its debt, and to fund planned capital expenditures, depends on Kronos' 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, Kronos' ability to borrow funds under its or its subsidiaries' credit facilities in the future will in some instances depend in part on its ability to maintain specified financial ratios and satisfy certain financial covenants contained in the applicable credit agreement.

Kronos' business may not generate cash flows from operating activities sufficient to enable Kronos to pay its debts when they become due and to fund other liquidity needs. As a result, Kronos may need to refinance all or a portion of its debt before maturity. Kronos may not be able to refinance any of its 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 Kronos' debt on favorable terms could have a material adverse effect on its financial condition.

**ITEM 1B. UNRESOLVED STAFF COMMENTS**

None

**ITEM 2. PROPERTIES**

Our principal executive offices are located in an office building located at 5430 LBJ Freeway, Dallas, Texas, 75240-2697. The principal properties used in the operations of our subsidiaries and affiliates, including certain risks and uncertainties related thereto, are described in the applicable business sections of Item 1 – "Business." We believe that our facilities are generally adequate and suitable for our respective uses.

**ITEM 3. LEGAL PROCEEDINGS**

We are involved in various legal proceedings. In addition to information that is included below, we have included certain of the information called for by this Item in Note 18 to our Consolidated Financial Statements, and we are incorporating that information here by reference.

## ***Lead pigment litigation***

Our former operations included the manufacture of lead pigments for use in paint and lead-based paint. We, other former manufacturers of lead pigments for use in paint and lead-based paint (together, the “former pigment manufacturers”), and the Lead Industries Association (LIA), which discontinued business operations in 2002, have been named as defendants in various legal proceedings seeking damages for personal injury, property damage and governmental expenditures allegedly caused by the use of lead-based paints. Certain of these actions have been filed by or on behalf of states, counties, cities or their public housing authorities and school districts, and certain others have been asserted as class actions. These lawsuits seek recovery under a variety of theories, including public and private nuisance, negligent product design, negligent failure to warn, strict liability, breach of warranty, conspiracy/concert of action, aiding and abetting, enterprise liability, market share or risk contribution liability, intentional tort, fraud and misrepresentation, violations of state consumer protection statutes, supplier negligence and similar claims.

The plaintiffs in these actions generally seek to impose on the defendants responsibility for lead paint abatement and health concerns associated with the use of lead-based paints, including damages for personal injury, contribution and/or indemnification for medical expenses, medical monitoring expenses and costs for educational programs. To the extent the plaintiffs seek compensatory or punitive damages in these actions, such damages are generally unspecified. In some cases, the damages are unspecified pursuant to the requirements of applicable state law. A number of cases are inactive or have been dismissed or withdrawn. Most of the remaining cases are in various pre-trial stages. Some are on appeal following dismissal or summary judgment rulings or a trial verdict in favor of either the defendants or the plaintiffs.

We believe that these actions are without merit, and we intend to continue to deny all allegations of wrongdoing and liability and to defend against all actions vigorously. We do not believe it is probable that we have incurred any liability with respect to all of the lead pigment litigation cases to which we are a party, and liability to us that may result, if any, in this regard cannot be reasonably estimated, because:

- we have never settled any of the market share, risk contribution, intentional tort, fraud, nuisance, supplier negligence, breach of warranty, conspiracy, misrepresentation, aiding and abetting, enterprise liability, or statutory cases,
- no final, non-appealable adverse verdicts have ever been entered against us, and
- we have never ultimately been found liable with respect to any such litigation matters, including over 100 cases over a twenty-year period for which we were previously a party and for which we have been dismissed without any finding of liability.

Accordingly, we have not accrued any amounts for any of the pending lead pigment and lead-based paint litigation cases. In addition, we have determined that liability to us which may result, if any, cannot be reasonably estimated because there is no prior history of a loss of this nature on which an estimate could be made and there is no substantive information available upon which an estimate could be based.

In April 2000, we were served with a complaint in *County of Santa Clara v. Atlantic Richfield Company, et al.* (Superior Court of the State of California, County of Santa Clara, Case No. 1-00-CV-788657) brought by a number of California government entities against the former pigment manufacturers, the LIA and certain paint manufacturers. The County of Santa Clara sought to recover compensatory damages for funds the plaintiffs have expended or will in the future expend for medical treatment, educational expenses, abatement or other costs due to exposure to, or potential exposure to, lead paint, disgorgement of profit, and punitive damages. In July 2003, the trial judge granted defendants’ motion to dismiss all remaining claims. Plaintiffs appealed and the intermediate appellate court reinstated public nuisance, negligence, strict liability, and fraud claims in March 2006. A fourth amended complaint was filed in March 2011 on behalf of The People of California by the County Attorneys of Alameda, Ventura, Solano, San Mateo, Los Angeles and Santa Clara, and the City Attorneys of San Francisco, San Diego and Oakland. That complaint alleged that the presence of lead paint created a public nuisance in each of the prosecuting attorney jurisdictions and seeks its abatement. In July and August 2013, the case was tried. In January 2014, the Judge issued a judgment finding us, The Sherwin Williams Company and ConAgra jointly and severally liable for the abatement of lead paint in pre-1980 homes, and ordered the defendants to pay an aggregate \$1.15 billion to the State of California to fund such abatement. NL believes that this judgment is inconsistent with

California law and is unsupported by the evidence, and we will appeal in the first quarter of 2014. In February 2014, we filed a motion for a new trial.

In June 2000, a complaint was filed in Illinois state court, *Lewis, et al. v. Lead Industries Association, et al* (Circuit Court of Cook County, Illinois, County Department, Chancery Division, Case No. 00CH09800.) Plaintiffs seek to represent two classes, one consisting of minors between the ages of six months and six years who resided in housing in Illinois built before 1978, and another consisting of individuals between the ages of six and twenty years who lived in Illinois housing built before 1978 when they were between the ages of six months and six years and who had blood lead levels of 10 micrograms/deciliter or more. The complaint seeks damages jointly and severally from the former pigment manufacturers and the LIA to establish a medical screening fund for the first class to determine blood lead levels, a medical monitoring fund for the second class to detect the onset of latent diseases and a fund for a public education campaign. In April 2008, the trial court judge certified a class of children whose blood lead levels were screened venously between August 1995 and February 2008 and who had incurred expenses associated with such screening. In March 2012, the trial court judge decertified the class. In June 2012, the trial court judge granted plaintiffs the right to appeal his decertification order, and in August 2012 the appellate court granted plaintiffs permission to appeal. In March 2013, the appellate court agreed with the trial court's rationale regarding legislative requirements to screen children's blood lead levels and remanded the case for further proceedings in the trial court. In July 2013, plaintiffs moved to vacate the decertification. In October 2013, the judge denied plaintiffs' motion to vacate the decertification of the class. The next hearing is scheduled for March 2014.

Between January 2007 and May 2011, we were served with nine complaints filed in the Circuit Court in Milwaukee County, Wisconsin or in the United District Court, Eastern District of Wisconsin. The plaintiffs are 173 minor children who allege injuries purportedly caused by lead on the surfaces of the homes in which they resided. Plaintiffs seek compensatory and punitive damages. The defendants in these cases include us, American Cyanamid Company, Armstrong Containers, Inc., E.I. Du Pont de Nemours & Company, Atlantic Richfield Company and The Sherwin-Williams Company. Property owners are also defendants in each of the cases. Two of the cases remain pending in State Court (*Clark* and *Williams*); four have been removed to Federal court (*Burton*, *Owens*, *B. Stokes*, and *Gibson*); and three were filed in Federal Court (*Sifuentes*, *Allen* and *Valoe*). In November 2010, *Gibson* was dismissed as to all defendants in a ruling holding that application of Wisconsin's risk contribution doctrine deprived defendants of due process. In December 2010, the plaintiff appealed to the U.S. 7<sup>th</sup> Circuit Court of Appeals. In light of the *Gibson* ruling and appeal, all other cases were stayed pending action by the 7<sup>th</sup> Circuit. In July 2013, we notified the 7<sup>th</sup> Circuit in *Gibson* of the new 2013 Wisconsin statute making the Collins DES criteria for risk contribution apply to all cases asserting risk contribution. No decision has yet been issued by the 7<sup>th</sup> Circuit Court. In July 2013, we filed motions in *Clark* and *Williams* (both in State Court) to lift the stays and dismiss the cases based on the new 2013 Wisconsin statute. In July 2013, the plaintiff in *Burton* (in Federal Court) moved to amend his complaint to add a request for declaratory judgment that the new Wisconsin statute is unconstitutional and NL responded asking for the stay to remain in place. In December 2013, *Williams* and *Clark* were consolidated for the sole purpose of ruling on the motions to dismiss. *Williams* is stayed awaiting a decision in *Clark*.

In addition to the foregoing litigation, various legislation and administrative regulations have, from time to time, been proposed that seek to (a) impose various obligations on present and former manufacturers of lead pigment and lead-based paint with respect to asserted health concerns associated with the use of such products and (b) effectively overturn court decisions in which we and other pigment manufacturers have been successful. Examples of such proposed legislation include bills which would permit civil liability for damages on the basis of market share, rather than requiring plaintiffs to prove that the defendant's product caused the alleged damage, and bills which would revive actions barred by the statute of limitations. While no legislation or regulations have been enacted to date that are expected to have a material adverse effect on our consolidated financial position, results of operations or liquidity, the imposition of market share liability or other legislation could have such an effect.

New cases may continue to be filed against us. We cannot assure you that we will not incur liability in the future in respect of any of the pending or possible litigation in view of the inherent uncertainties involved in court and jury rulings. In the future, if new information regarding such matters becomes available to us (such as a final, non-appealable adverse verdict against us or otherwise ultimately being found liable with respect to such matters), at that time we would consider such information in evaluating any remaining cases then-pending against us as to whether it might then have become probable we have incurred liability with respect to these matters, and whether

such liability, if any, could have become reasonably estimable. The resolution of any of these cases could result in the recognition of a loss contingency accrual that could have a material adverse impact on our net income for the interim or annual period during which such liability is recognized and a material adverse impact on our consolidated financial condition and liquidity.

### ***Environmental matters and litigation***

Our operations are governed by various environmental laws and regulations. Certain of our businesses 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 plants and to strive to improve environmental performance. From time to time, we may be subject to environmental regulatory enforcement under U.S. and non-U.S. statutes, the 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, could adversely affect our production, handling, use, storage, transportation, sale or disposal of such substances. We believe that all of our facilities are in substantial compliance with applicable environmental laws.

Certain properties and facilities used in our former operations, including divested primary and secondary lead smelters and former mining locations, are the subject of civil litigation, administrative proceedings or investigations arising under federal and state environmental laws and common law. Additionally, in connection with past operating practices, we are currently involved as a defendant, potentially responsible party (PRP) or both, pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, as amended by the Superfund Amendments and Reauthorization Act (CERCLA), and similar state laws in various governmental and private actions associated with waste disposal sites, mining locations, and facilities that we or our predecessors, our subsidiaries or their predecessors currently or previously owned, operated or used, certain of which are on the United States Environmental Protection Agency's (EPA) Superfund National Priorities List or similar state lists. These proceedings seek cleanup costs, damages for personal injury or property damage and/or damages for injury to natural resources. Certain of these proceedings involve claims for substantial amounts. Although we may be jointly and severally liable for these costs, in most cases we are only one of a number of PRPs who may also be jointly and severally liable, and among whom costs may be shared or allocated. In addition, we are also a party to a number of personal injury lawsuits filed in various jurisdictions alleging claims related to environmental conditions alleged to have resulted from our operations.

Obligations associated with environmental remediation and related matters are difficult to assess and estimate for numerous reasons including the:

- complexity and differing interpretations of governmental regulations,
- number of PRPs and their ability or willingness to fund such allocation of costs,
- financial capabilities of the PRPs and the allocation of costs among them,
- solvency of other PRPs,
- multiplicity of possible solutions,
- number of years of investigatory, remedial and monitoring activity required,
- uncertainty over the extent, if any, to which our former operations might have contributed to the conditions allegedly giving rise to such personal injury, property damage, natural resource and related claims and
- number of years between former operations and notice of claims and lack of information and documents about the former operations.

In addition, the imposition of more stringent standards or requirements under environmental laws or regulations, new developments or changes regarding site cleanup costs or the allocation of costs among PRPs, solvency of other PRPs, the results of future testing and analysis undertaken with respect to certain sites or a determination that we are potentially responsible for the release of hazardous substances at other sites, could cause our expenditures to exceed our current estimates. We cannot assure you that actual costs will not exceed accrued



amounts or the upper end of the range for sites for which estimates have been made, and we cannot assure you that costs will not be incurred for sites where no estimates presently can be made. Further, additional environmental and related matters may arise in the future. If we were to incur any future liability, this could have a material adverse effect on our consolidated financial statements, results of operations and liquidity.

We record liabilities related to environmental remediation and related matters when estimated future expenditures are probable and reasonably estimable. We adjust such accruals as further information becomes available to us or as circumstances change. Unless the amounts and timing of such estimated future expenditures are fixed and reasonably determinable, we generally do not discount estimated future expenditures to their present value due to the uncertainty of the timing of the pay out. We recognize recoveries of costs from other parties, if any, as assets when their receipt is deemed probable. At December 31, 2012 and 2013, we have not recognized any receivables for recoveries.

We do not know and cannot estimate the exact time frame over which we will make payments for our accrued environmental and related costs. The timing of payments depends upon a number of factors, including but not limited to the timing of the actual remediation process; which in turn depends on factors outside of our control. At each balance sheet date, we estimate the amount of our accrued environmental and related costs which we expect to pay within the next twelve months, and we classify this estimate as a current liability. We classify the remaining accrued environmental costs as a noncurrent liability.

On a quarterly basis, we evaluate the potential range of our liability for environmental remediation and related costs at sites where we have been named as a PRP or defendant, including sites for which our wholly-owned environmental management subsidiary, NL Environmental Management Services, Inc., (EMS), has contractually assumed our obligations. At December 31, 2013, we had accrued approximately \$114 million related to approximately 45 sites associated with remediation and related matters that we believe are at the present time and/or in their current phase reasonably estimable. The upper end of the range of reasonably possible costs to us for remediation and related matters for which we believe it is possible to estimate costs is approximately \$154 million, including the amount currently accrued. Other than as indicated above, these accruals have not been discounted to present value.

We believe that it is not possible to estimate the range of costs for certain sites. At December 31, 2013, there were approximately 5 sites for which we are not currently able to estimate a range of costs. For these sites, generally the investigation is in the early stages, and we are unable to determine whether or not we actually had any association with the site, the nature of our responsibility, if any, for the contamination at the site and the extent of contamination at and cost to remediate the site. The timing and availability of information on these sites is dependent on events outside of our control, such as when the party alleging liability provides information to us. At certain of these previously inactive sites, we have received general and special notices of liability from the EPA and/or state agencies alleging that we, sometimes with other PRPs, are liable for past and future costs of remediating environmental contamination allegedly caused by former operations. These notifications may assert that we, along with any other alleged PRPs, are liable for past and/or future clean-up costs. As further information becomes available to us for any of these sites which would allow us to estimate a range of costs, we would at that time adjust our accruals. Any such adjustment could result in the recognition of an accrual that would have a material effect on our consolidated financial statements, results of operations and liquidity.

In June 2006, we and several other PRPs received a Unilateral Administrative Order (UAO) from the EPA regarding a formerly-owned mine and milling facility located in Park Hills, Missouri. The Doe Run Company is the current owner of the site, which was purchased by a predecessor of Doe Run from us in approximately 1936. Doe Run is also named in the Order. In April 2008, the parties signed a definitive cost sharing agreement for sharing of the costs anticipated in connection with the order and in May 2008, the parties began work at the site as required by the UAO and in accordance with the cost sharing agreement. In the fourth quarter of 2010, NL reached its capped payment obligation under the cost sharing agreement with Doe Run. In the fourth quarter of 2013, Doe Run completed the remainder of the construction work. A Removal Action Report and Post-Removal Site Control plan will be submitted to the EPA in the first half of 2014.

In June 2008, we received a Directive and Notice to Insurers from the New Jersey Department of Environmental Protection (NJDEP) regarding the Margaret's Creek site in Old Bridge Township, New Jersey.

NJDEP alleged that a waste hauler transported waste from one of our former facilities for disposal at the site in the early 1970s. NJDEP referred the site to the EPA, and in November 2009, the EPA added the site to the National Priorities List under the name "Raritan Bay Slag Site." In 2012, EPA notified NL of its potential liability at this site.

In May 2013, EPA issued its Record of Decision for the site. In June 2013, NL filed a contribution suit under CERCLA and the New Jersey Spill Act titled *NL Industries, Inc. v. Old Bridge Township, et al.* (United States District Court for the District of New Jersey, Civil Action No. 3:13-cv-03493-MAS-TJB) against the current owner, Old Bridge Township, and several federal and state entities NL alleges designed and operated the site and who have significant potential liability as compared to NL which is alleged to have been a potential source of material placed at the site by others. NL's suit also names certain former NL customers of the former NL facility alleged to be the source of some of the materials. In January 2014, EPA issued a UAO to NL for clean-up of the site based on the EPA's preferred remedy set forth in the Record of Decision. NL is in discussions with EPA about NL's performance of a defined amount of the work at the site and is otherwise taking actions necessary to respond to the UAO. If these discussions and actions are unsuccessful, NL will defend vigorously against all claims while continuing to seek contribution from other PRPs.

In September 2008, we received a Special Notice letter from the EPA for liability associated with the Tar Creek Superfund site in Ottawa County (Tar Creek) and a demand for related past and future costs. We responded with a good-faith offer to pay certain of the past costs and to complete limited work in the areas in which we operated. We are involved in an ongoing dialogue with the EPA regarding a potential settlement. In October 2008, we received a claim from the State of Oklahoma for past, future and relocation costs in connection with the site. The state continues to monitor for a potential settlement between the EPA and us and may subsequently attempt to pursue a separate settlement with us.

In June 2009, we were served with a complaint in *Consolidation Coal Company v. 3M Company, et al.* (United States District Court, Eastern District of North Carolina, Civil Action No. 5:09-CV-00191-FL). The complaint seeks to recover against NL and roughly 170 other defendants under CERCLA for past and future response costs. The plaintiffs allege that NL's former Albany operation allegedly sent three PCB-containing transformers to the Ward Transformer Superfund Site. In December 2012, NL received a notice of potential responsibility for past costs from the EPA. We have denied liability and will defend vigorously against all claims.

In August 2009, we were served with a complaint in *Raritan Baykeeper, Inc. d/b/a NY/NJ Baykeeper et al. v. NL Industries, Inc. et al.* (United States District Court, District of New Jersey, Case No. 3:09-cv-04117). This is a citizen's suit filed by two local environmental groups pursuant to the Resource Conservation and Recovery Act and the Clean Water Act against NL, current owners, developers and state and local government entities. The complaint alleges that hazardous substances were and continue to be discharged from our former Sayreville, New Jersey property into the sediments of the adjacent Raritan River. The former Sayreville site is currently being remediated by owner/developer parties under the oversight of the NJDEP. The plaintiffs seek a declaratory judgment, injunctive relief, imposition of civil penalties and an award of costs. We have denied liability and will defend vigorously against all claims.

In June 2011, we were served in *ASARCO LLC v. NL Industries, Inc., et al.* (United States District Court, Western District of Missouri, Case No. 4:11-cv-00138-DGK). The plaintiff brought this CERCLA contribution action against several defendants to recover a portion of the amount it paid in settlement with the U.S. Government during its Chapter 11 bankruptcy in relation to the Tar Creek site, the Cherokee County Superfund Site in southeast Kansas, the Oronogo-Duenweg Lead Mining Belt Superfund Site in Jasper County, Missouri and the Newton County Mine Tailing Site in Newton County, Missouri. We have denied liability and will defend vigorously against all of the claims. In the second quarter of 2012, NL filed a motion to stay the case. In the first quarter of 2013, NL's motion was granted and the court entered an indefinite stay.

In September 2011, we were served in *ASARCO LLC v. NL Industries, Inc., et al.* (United States District Court, Eastern District of Missouri, Case No. 4:11-cv-00864). The plaintiff brought this CERCLA contribution action against several defendants to recover a portion of the amount it paid in settlement with the U.S. Government during its Chapter 11 bankruptcy in relation to the Southeast Missouri Mining District. We have denied liability and will defend vigorously against all of the claims.

In July 2012, we were served in *EPEC Polymers, Inc., v. NL Industries, Inc.*, (United States District Court for the District of New Jersey, Case 3:12-cv-03842-PGS-TJB). The plaintiff, a landowner of property located across the Raritan River from our former Sayreville, New Jersey operation, claims that contaminants from NL's former Sayreville operation came to be located on its land. The complaint seeks compensatory and punitive damages and alleges, among other things, trespass, private nuisance, negligence, strict liability, and claims under CERCLA and the New Jersey Spill Act. We have denied liability and will defend vigorously against all of the claims.

In March 2013, NL received Special Notice from EPA for Operable Unit 1, residential area, at the Big River Mine Tailings Superfund Site in St. Francois County, Missouri. The site encompasses approximately eight former mine and mill areas, only one of which is associated with former NL operations, as well as adjacent residential areas. NL initiated a dialog with EPA regarding a potential settlement for this operable unit.

In September 2013, EPA issued to NL and 34 other PRPs general notice of potential liability and a demand for payment of past costs and performance of a Remedial Design for the Gowanus Canal Superfund Site in Brooklyn, New York. We intend to deny liability and will defend vigorously against all of the claims.

#### ***Other litigation***

In addition to the matters described above, we and our affiliates are also involved in various other environmental, contractual, product liability, patent (or intellectual property), employment and other claims and disputes incidental to present and former businesses. In certain cases, we have insurance coverage for these items, although we do not expect additional material insurance coverage for environmental claims.

We currently believe that the disposition of all claims and disputes, individually or in the aggregate, should not have a material adverse effect on our consolidated financial position, results of operations or liquidity beyond the accruals already provided.

#### ***Insurance coverage claims***

We are involved in certain legal proceedings with a number of our former insurance carriers regarding the nature and extent of the carriers' obligations to us under insurance policies with respect to certain lead pigment and asbestos lawsuits. The issue of whether insurance coverage for defense costs or indemnity or both will be found to exist for our lead pigment and asbestos litigation depends upon a variety of factors and we cannot assure you that such insurance coverage will be available. In addition to information that is included below, we have included certain of the information called for by this Item in Note 18 to our Consolidated Financial Statements, and we are incorporating that information here by reference.

We have agreements with four former insurance carriers pursuant to which the carriers reimburse us for a portion of our future lead pigment litigation defense costs, and one such carrier reimburses us for a portion of our future asbestos litigation defense costs. We are not able to determine how much we will ultimately recover from these carriers for defense costs incurred by us because of certain issues that arise regarding which defense costs qualify for reimbursement. While we continue to seek additional insurance recoveries, we do not know if we will be successful in obtaining reimbursement for either defense costs or indemnity. Accordingly, we recognize insurance recoveries in income only when receipt of the recovery is probable and we are able to reasonably estimate the amount of the recovery. See Note 18 to our Consolidated Financial Statements.

We have settled insurance coverage claims concerning environmental claims with certain of our principal former carriers. We do not expect further material settlements relating to environmental remediation coverage.

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

Not applicable

**PART II**

**ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY AND RELATED STOCKHOLDER MATTERS**

Our common stock is listed and traded on the New York Stock Exchange (NYSE: NL). As of February 28, 2014, there were approximately 2,686 holders of record of our common stock. The following table sets forth the high and low closing per share sales prices for our common stock for the periods indicated, according to Bloomberg, and cash dividends paid during such periods. On February 28, 2014 the closing price of our common stock was \$11.23.

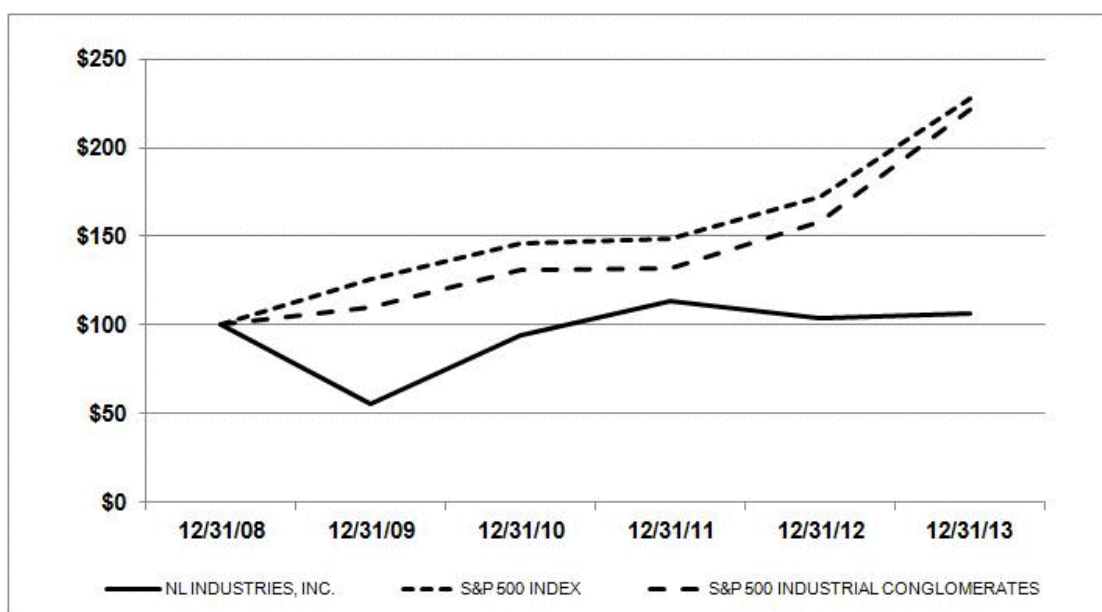
	<b>High</b>	<b>Low</b>	<b>Cash dividends paid</b>
<i>Year ended December 31, 2012</i>			
First Quarter	\$ 15.81	\$ 13.04	.125
Second Quarter	15.00	11.87	.125
Third Quarter	12.58	11.40	.125
Fourth Quarter	11.76	10.09	.125
<i>Year ended December 31, 2013</i>			
First Quarter	\$ 13.52	\$ 12.16	.125
Second Quarter	12.64	10.40	.125
Third Quarter	11.89	10.57	.125
Fourth Quarter	11.74	10.10	.125
<i>January 1, 2014 through February 28, 2014</i>	11.76	10.19	-

In February 2014, our Board of Directors deferred consideration of a first quarter 2014 cash dividend. The declaration and payment of future dividends, and the amount thereof, is discretionary and is dependent upon our results of operations, financial condition, cash requirements for businesses, contractual restrictions and other factors deemed relevant by our Board of Directors. The amount and timing of past dividends is not necessarily indicative of the amount or timing of any future dividends which might be paid. There are currently no contractual restrictions on the amount of dividends which we may pay.

**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 500 Composite Stock Price Index and the S&P 500 Industrial Conglomerates Index for the period from December 31, 2008 through December 31, 2013. The graph shows the value at December 31 of each year assuming an original investment of \$100 at December 31, 2008 and the reinvestment of dividends.

	2008	2009	2010	2011	2012	2013
NL common stock	\$ 100	\$ 55	\$ 94	\$ 113	\$ 104	\$ 106
S&P 500 Composite Stock Price Index	100	126	146	149	172	228
S&P 500 Industrial Conglomerates Index	100	110	131	132	158	222



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 .

**Equity compensation plan information**

We have an equity compensation plan, which was approved by our shareholders, pursuant to which an aggregate of 200,000 shares of our common stock can be awarded to members of our board of directors. At December 31, 2013, 195,000 shares are available for award under this plan. 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,				
	2009	2010	2011	2012	2013
<b>(In millions, except per share data)</b>					
<b>STATEMENTS OF OPERATIONS DATA:</b>					
Net sales	\$ 67.9	\$ 76.1	\$ 79.8	\$ 83.2	\$ 92.0
Income from component products operations	\$ .7	\$ 5.9	\$ 6.4	\$ 5.4	\$ 9.3
Equity in earnings (losses) of Kronos	\$ (12.5)	\$ 45.6	\$ 97.6	\$ 66.4	\$ (31.0)
Net income (loss)	\$ (12.0)	\$ 70.8	\$ 82.7	\$ 79.1	\$ (54.5)
Net income (loss) attributable to NL stockholders:					
Continuing operations	\$ (13.2)	\$ 70.9	\$ 78.1	\$ 56.7	\$ (55.3)
Discontinued operations <sup>(1)</sup>	1.4	(.5)	3.6	17.8	-
Net income (loss) attributable to NL stockholders	\$ (11.8)	\$ 70.4	\$ 81.7	\$ 74.5	\$ (55.3)
<b>DILUTED EARNINGS PER SHARE DATA:</b>					
Net income (loss) attributable to NL stockholders:					
Continuing operations	\$ (.21)	\$ 1.41	\$ 1.61	\$ 1.16	\$ (1.14)
Discontinued operations <sup>(1)</sup>	(.03)	(.01)	.07	.37	-
	\$ (.24)	\$ 1.40	\$ 1.68	\$ 1.53	\$ (1.14)
Cash dividends per share	\$ .50	\$ .50	\$ .50	\$ .50	\$ .50
Weighted average common shares outstanding	48,609	48,627	48,658	48,667	48,672
<b>BALANCE SHEET DATA (at year end):</b>					
Total assets	\$ 403.0	\$ 553.7	\$ 761.2	\$ 680.8	\$ 685.8
Long-term debt, including current maturities	42.2	74.5	37.3	18.5	-
NL stockholders' equity	174.6	252.9	415.0	374.8	355.4
Total equity	185.7	263.9	426.0	388.1	369.0
<b>STATEMENT OF CASH FLOW DATA:</b>					
Net cash provided by (used in):					
Operating activities	\$ 1.4	\$ 5.4	\$ 48.2	\$ 18.0	\$ 14.9
Investing activities	32.4	2.8	9.8	92.2	3.0
Financing activities	(25.9)	(17.8)	(61.5)	(44.1)	(43.3)

<sup>(1)</sup> See Note 2 to our Consolidated Financial Statements.

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

### RESULTS OF OPERATIONS

#### Business overview

We are primarily a holding company. We operate in the component products industry through our majority-owned subsidiary, CompX International Inc. We also own a noncontrolling interest in Kronos Worldwide, Inc. Both CompX (NYSE MKT: CIX) and Kronos (NYSE: KRO) file periodic reports with the SEC.

CompX is a leading manufacturer of engineered components utilized in a variety of applications and industries. Through its Security Products operations, CompX manufactures mechanical and electronic cabinet locks and other locking mechanisms used in recreational transportation, postal, office and institutional furniture, cabinetry, tool storage and healthcare applications. CompX also manufactures stainless steel exhaust systems, gauges and throttle controls for the recreational marine and other industries through its Marine Components operations. In December 2012, CompX completed the sale of its Furniture Components business. See Note 2 to our Condensed Consolidated Financial Statements. Unless otherwise noted, the discussion of our results of operations in Management's Discussion and Analysis is focused on our continuing operations.

We account for our 30% non-controlling interest in Kronos by the equity method. Kronos is a leading global producer and marketer of value-added titanium dioxide pigments. TiO<sub>2</sub> is used for a variety of manufacturing applications including coatings, plastics, paper and other industrial products.

#### Income from continuing operations overview

Our net loss from continuing operations attributable to NL stockholders was \$55.3 million, or \$1.14 per share, in 2013 compared to net income from continuing operations attributable to NL stockholders of \$56.7 million, or \$1.16 per share in 2012 and \$78.1 million, or \$1.61 per share in 2011.

As more fully discussed below, the decrease in our earnings per share attributable to continuing operations from 2012 to 2013 is primarily due to the net effect of:

- equity in losses from Kronos in 2013 compared to equity in earnings from Kronos in 2012,
- higher environmental remediation and related costs in 2013 of \$54.4 million,
- a pre-tax gain on the sale of the shares of the Titanium Metals Corporation (TIMET) common stock we owned in 2012 of \$16.6 million,
- a real-estate litigation settlement gain of \$15.0 million recognized in 2012 related to the settlement of condemnation proceedings on real property we formerly owned,
- higher income from operations from components products in 2013 of \$3.9 million, and
- higher litigation and related costs in 2013 of \$2.7 million.

As more fully discussed below, the decrease in our earnings per share attributable to continuing operations from 2011 to 2012 is primarily due to the net effects of:

- lower equity in earnings of Kronos in 2012 due to Kronos' lower income from operations,
- a pre-tax gain on the sale of the shares of the TIMET common stock we owned in 2012 of \$16.6 million,
- a real-estate litigation settlement gain of \$15.0 million recognized in 2012 related to the settlement of condemnation proceedings on real property we formerly owned,
- lower insurance recoveries in 2012 of \$13.6 million due to an insurance recovery settlement in 2011 for certain past defense costs,
- goodwill impairment related to our acquisition of EWI of \$6.4 million in 2012,
- higher environmental remediation and related costs in 2012 of \$3.2 million, and

- lower income from operations from components products in 2012 of \$1.0 million.

Our 2013 net loss from continuing operations attributable to NL stockholders includes:

- income of \$.13 per share, net of income taxes, related to insurance recoveries we recognized,
- an aggregate charge of \$.09 per share included in our equity in Kronos related to unabsorbed fixed production and other costs as a result of Kronos' Canadian plant lockout, and costs associated with the terms of a new collective bargaining agreement reached with its Canadian workforce,
- a charge of \$.09 per share included in our equity in Kronos related to Kronos' third quarter litigation settlement charge, and
- an aggregate charge of \$.02 per share included in our equity in Kronos related to Kronos' voluntary prepayments of \$390 million of its term loan consisting of the write-off of original issue discount costs and deferred financing costs associated with such prepayments.

Our 2012 income from continuing operations attributable to NL stockholders includes the following:

- a charge of \$.02 per share included in our equity in Kronos related to Kronos' charge for the early extinguishment of its remaining 6.5% Senior Notes due 2013 consisting of a call premium, interest from the indenture discharge date to the redemption date and the write-off of unamortized deferred financing costs and original issue discount associated with the redeemed Senior Notes,
- a charge of \$.13 per share related to the goodwill impairment,
- income of \$.04 per share related to certain insurance recoveries we recognized,
- income of \$.22 per share related to the gain on the sale of our TIMET shares in 2012,
- income of \$.20 per share related to the real-estate litigation settlement gain,
- income of \$.04 per share related to the sale of certain real property owned by us, and
- a charge for the write-down of assets held for sale of \$.02 per share.

Our 2011 income from continuing operations attributable to NL stockholders includes the following:

- income of \$.23 per share related to certain insurance recoveries we recognized,
- a charge of \$.01 per share included in our equity in Kronos in 2011 consisting of a call premium and the write-off of unamortized deferred financing costs and original issue discount associated with Kronos' redemption of Senior Notes,
- a charge of \$.07 included in our equity in Kronos in 2011 related to Kronos' provision for U.S. incremental income taxes on earnings repatriated from its German subsidiary of \$17.2 million which earnings were used to fund a portion of the repurchases of Kronos' Senior Secured Notes, and
- a charge for the write-down of assets held for sale of \$.02 per share.

#### **Outlook for 2014**

We currently expect our income from continuing operations attributable to NL stockholders in 2014 to be higher than in 2013 primarily due to higher expected equity in earnings from Kronos and lower expected environmental and related costs.

#### **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 have been prepared in accordance with accounting principles generally accepted in the United States of America (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 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.

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

- *Investments* - We own investments in Valhi, Inc. that we account for as marketable securities carried at fair value or that we account for under the equity method. For these investments, we evaluate the fair value at each balance sheet date. We use quoted market prices, Level 1 inputs as defined in Accounting Standards Codification (ASC) 820-10-35, *Fair Value Measurements and Disclosures*, to determine fair value for certain of our marketable debt securities and publicly traded investees. We record an impairment charge when we believe an investment has experienced an other-than-temporary decline in fair value below its cost basis (for marketable securities) or below its carrying value (for equity method investees). Further adverse changes in market conditions or poor operating results of underlying investments could result in losses or our inability to recover the carrying value of the investments that may not be reflected in an investment's current carrying value, thereby possibly requiring us to recognize an impairment charge in the future.

At December 31, 2013, the carrying value (which equals fair value) of all of our marketable securities equaled or exceeded the cost basis of such investments. At December 31, 2013, the \$19.05 per share quoted market price of our investment in Kronos (our only equity method investee) exceeded its per share net carrying value by over 236%.

- *Long-lived assets* - We assess property and equipment for impairment only when circumstances (as specified in ASC 360-10-35, *Property, Plant, and Equipment*) indicate an impairment may exist. Our determination is based upon, among other things, our estimates of the amount of future net cash flows to be generated by the long-lived asset (Level 3 inputs) and our estimates of the current fair value of the asset. Considerable management judgment is necessary to evaluate the impact of operating changes and to estimate future cash flows. Assumptions used in our impairment evaluations, such as forecasted growth rates and our cost of capital, are consistent with our internal projections and operating plans.

As a result of continued losses in CompX's Marine Components reporting unit, we evaluated the recoverability of the Marine Components long-lived assets during the third quarter of 2013. We determined that the undiscounted cash flows exceed the current net asset value and therefore the Marine Components long-lived assets are not impaired. However, if our future cash flows from operations less capital expenditures were to drop significantly below our current expectations (approximately 85% below our expectations for each of the Custom Marine and Livorsi Marine reporting units), it is reasonably likely we would conclude an impairment was present. At December 31, 2013, the net asset carrying values of Custom Marine and Livorsi Marine were \$3.4 million and \$2.8 million, respectively. No other long-lived assets in our other reporting unit were tested for impairment during 2013 because there were no circumstances indicating an impairment might exist.

- *Goodwill* - Our net goodwill totaled \$27.2 million at December 31, 2013. We perform a goodwill impairment test annually in the third quarter of each year. Goodwill is also evaluated for impairment at other times whenever an event occurs or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying value. All of our net goodwill at December 31, 2013 is related to CompX. In September 2011, the Financial Accounting Standards Board issued ASU No. 2011-08, which provided new guidance on testing goodwill for impairment. The new guidance allows an entity to first assess qualitative factors to determine whether it is necessary to perform the two-step quantitative goodwill impairment test. An entity is no longer required to calculate the fair value of a reporting unit unless the entity determines, based on a qualitative assessment considering the totality of relevant events and circumstances, that it is more likely than not that its fair value of the reporting unit is less than its carrying amount. We adopted this accounting standard in the third quarter of 2013.

- *Benefit plans* - We maintain various defined benefit pension plans and postretirement benefits other than pensions (OPEB). 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 the heading “Assumptions on 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. 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 in the future 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 the change in estimate was made.  
  
We record a reserve for uncertain tax positions in accordance with the provisions of ASC Topic 740, *Income Taxes*, for tax positions where we believe it is more-likely-than-not our position will not prevail with the applicable tax authorities. It is possible that 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. See Note 14 to our Consolidated Financial Statements.
- *Contingencies* - We record accruals for environmental, legal and other contingencies and commitments when estimated future expenditures associated with such contingencies 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 of CompX and Kronos is impacted by certain significant judgments and estimates, as summarized below:

- Chemicals (Kronos) - allowance for doubtful accounts, impairment of equity method investments, long-lived assets, defined benefit pension and OPEB plans, loss accruals and income taxes, and
- Component products (CompX) - impairment of goodwill and long-lived assets, loss accruals and income taxes.

In addition, general corporate and other items are impacted by the significant judgments and estimates for impairment of marketable securities and equity method investments, defined benefit pension and OPEB plans, deferred income tax asset valuation allowances and loss accruals.

### Loss from operations attributable to continuing operations

The following table shows the components of our loss from operations attributable to continuing operations.

	Year ended December 31,			% Change	
	2011	2012	2013	2011-12	2012-13
	(Dollars in millions)				
CompX	\$ 6.4	\$ 5.4	\$ 9.3	(16)%	72%
Insurance recoveries	16.9	3.3	9.4	(80)%	185%
Litigation settlement gain	-	15.0	-	n.m.	(100)%
Other income, net	1.0	3.6	.1	260%	(99)%
Goodwill impairment	-	(6.4)	-	n.m.	(100)%
Corporate expense	(25.0)	(29.0)	(87.0)	16%	201%
Loss from operations	<u>\$(.7)</u>	<u>\$(8.1)</u>	<u>\$(68.2)</u>	n.m.	747%

n.m. - not meaningful

The following table shows the components of our income before income taxes attributable to continuing operations exclusive of our income from operations.

	Year ended December 31,			% Change	
	2011	2012	2013	2011-12	2012-13
	(Dollars in millions)				
Equity in earnings (losses) of Kronos	\$ 97.6	\$ 66.4	\$ (31.0)	(32)%	(147)%
Interest and dividend income	3.0	3.2	2.9	8%	(9)%
Interest expense	(1.6)	(1.0)	(.1)	(34)%	(88)%

### CompX International Inc.

	Years ended December 31,			% Change	
	2011	2012	2013	2011-12	2012-13
	(Dollars in millions)				
Net sales	\$ 79.8	\$ 83.2	\$ 92.0	4%	11%
Cost of sales	55.7	58.9	64.4	6%	10%
Gross margin	24.1	24.3	27.6	1%	13%
Operating costs and expenses	16.6	17.7	18.3	7%	3%
Write-down and loss on disposal of assets held for sale	1.1	1.2	-	9%	(100)%
Income from continuing operations	<u>\$ 6.4</u>	<u>\$ 5.4</u>	<u>\$ 9.3</u>	(16)%	72%
Percentage of net sales:					
Cost of sales	70%	71%	70%		
Gross margin	30%	29%	30%		
Operating costs and expenses	21%	21%	20%		
Assets held for sale write-down	1%	1%	-		
Income from operations	8%	7%	10%		

**Net sales** - Net sales increased approximately \$8.8 million in 2013 principally due to higher demand for high security pin tumbler locks within the Security Products business, and to a lesser extent from an increase in Marine Component sales outside of the high performance boat market through gains in market share. Relative changes in selling prices did not have a material impact on net sales comparisons.

Net sales increased approximately \$3.4 million in 2012 principally due to growth in customer demand within both of CompX's businesses resulting from somewhat improved economic conditions in North America. Additionally, the Marine Components business experienced a \$.1 million increase in sales to the ski/wakeboard boat market. Relative changes in selling prices did not have a material impact on net sales comparisons.

**Cost of sales and gross margin** - Cost of sales and gross margin both increased from 2012 to 2013 primarily due to increased sales volumes. As a percentage of sales, cost of sales decreased 1% resulting in an increase in gross margin of 1% primarily due to improved cost efficiencies from higher sales, partially offset by higher self-insured medical costs in 2013 as discussed below.

Cost of sales and gross margin both increased from 2011 to 2012 primarily due to increased sales volumes. As a percentage of sales, cost of sales increased 1% resulting in a decrease in gross margin of 1% primarily due to the net effects of the increase in sales partially offset by higher self-insured medical costs as discussed below.

**Operating costs and expenses** - Operating costs and expenses consists primarily of sales and administrative related personnel costs, sales commissions and advertising expenses directly related to product sales and administrative costs relating to business unit and corporate management activities, as well as gains and losses on property, plant and equipment. Operating costs and expenses increased in 2013 compared to 2012, and increased in 2012 as compared to 2011, as a result of increased administrative support costs relating to the higher sales. Additionally, in 2012 we incurred higher costs relating to the assets held for sale.

**Write-down and loss on disposal of assets held for sale** - We recorded write-downs on assets held for sale of \$1.1 million and \$1.2 million (including a \$.8 million loss on disposal of assets held for sale) in 2011 and 2012, respectively, relating to certain facilities held for sale that were no longer in use. The write-downs are included in corporate operating expense. See Note 9 to the Consolidated Financial Statements.

**Income from operations** - As a percentage of net sales, CompX's income from operations increased by 3% in 2013 compared to 2012 and decreased by 1% in 2012 compared to 2011 and was primarily impacted by the factors affecting cost of sales, gross margin and operating costs discussed above.

**General** - CompX's profitability primarily depends on our ability to utilize our production capacity effectively, which is affected by, among other things, the demand for our products and our ability to control our manufacturing costs, primarily comprising labor costs and materials. The materials used in our products consist of purchased components and raw materials some of which are subject to fluctuations in the commodity markets such as zinc, brass and stainless steel. Total material costs represented approximately 44% of our cost of sales in 2013, with commodity related raw materials accounting for approximately 11% of our cost of sales. Worldwide commodity raw material costs increased throughout 2011, although during 2012 and 2013 they were mostly stable. We occasionally enter into short-term commodity related raw material supply arrangements to mitigate the impact of future increases in commodity related raw material costs. These arrangements generally provide for stated unit prices based upon specified purchase volumes, which helps us to stabilize commodity related raw material purchase prices to a certain extent. We enter into such arrangements for zinc and brass. We expect commodity related raw material prices to increase in 2014 in conjunction with higher demand as a result of the expected growth in the world wide economy. These raw materials purchased on the spot market are sometimes subject to unanticipated and sudden price increases. We generally seek to mitigate the impact of fluctuations in commodity raw material costs on our margins through improvements in production efficiencies or other operating cost reductions. In the event we are unable to offset cost increases for these raw materials with other cost reductions, it may be difficult to recover those cost increases through increased product selling prices or raw material surcharges due to the competitive nature of the markets served by our products. Consequently, overall operating margins may be affected by raw material cost pressures.

## Results by reporting unit

The key performance indicator for CompX's reporting units is the level of their income from operations (see discussion below).

	Years ended December 31,			% Change	
	2011	2012	2013	2011-12	2012-13
	(In millions)				
Net sales:					
Security Products	\$ 71.4	\$ 73.7	\$ 81.5	3%	11%
Marine Components	8.4	9.5	10.5	13%	11%
Total net sales	\$ 79.8	\$ 83.2	\$ 92.0	4%	11%
Gross margin:					
Security Products	\$ 23.1	\$ 23.0	\$ 25.8	-	12%
Marine Components	1.0	1.3	1.8	31%	43%
Total gross margin	\$ 24.1	\$ 24.3	\$ 27.6	1%	13%
Income (loss) from operations:					
Security Products	\$ 14.4	\$ 14.1	\$ 16.1	(2)%	14%
Marine Components	(1.2)	(.8)	(.1)	33%	82%
Corporate operating expenses	(6.8)	(7.9)	(6.7)	(18)%	16%
Total income from operations	\$ 6.4	\$ 5.4	\$ 9.3	(16)%	72%
Income (loss) from operations margin:					
Security Products	20%	19%	20%		
Marine Components	(15)%	(9)%	(1)%		
Total income from operations margin	8%	7%	10%		

*Security Products* - Security Products net sales increased 11% to \$81.5 million in 2013 compared to \$73.7 million in 2012. The increase in sales is primarily due to an increase in sales to certain high security pin tumbler lock customers of \$7.6 million. Growth of our Security Products operations was aided by our ongoing efforts to diversify our products and customers. Income from operations margin percentages increased in 2013 compared to 2012 by 1% primarily due to improved cost efficiencies from higher sales, partially offset by higher self-insured medical costs of \$.6 million in 2013, \$.5 million of which impacted cost of sales and \$.1 million of which impacted selling and administration expenses.

Security Products net sales increased 3% to \$73.7 million in 2012 compared to \$71.4 million in 2011. The increase in sales is primarily due to somewhat improved economic conditions in North America resulting in higher order rates across most markets. Income from operations margin percentages decreased in 2012 compared to 2011 by 1% primarily due to higher self-insured medical costs of \$.9 million in 2012, \$.8 million of which impacted cost of goods sold and \$.1 million of which impacted selling and administration expenses. The impact of the higher medical costs on cost of sales was partially offset by a \$.3 million decrease in depreciation expense relating to the timing of historical capital expenditures and retirements. The 2012 medical costs were more in line with the historical average annual medical costs as compared to an unusually favorable 2011.

*Marine Components* - Marine Components net sales increased 11% in 2013 as compared to 2012. The increase was primarily the result of a \$.8 million increase in sales to the ski/wakeboard boat market and other non-high performance marine markets. As a percentage of net sales, loss from operations margin percentage improved in 2013 compared to 2012 primarily due to increased leverage of fixed costs as a result of the higher sales.

Marine Components net sales increased 13% in 2012 as compared to 2011. The increase was primarily the result of a \$.9 million increase in sales to the ski/wakeboard boat market in connection with new products developed for that market. As a percentage of net sales, loss from operations margin percentage improved in 2012 compared to 2011 primarily due to increased leverage of fixed costs as a result of the higher sales and lower intangible amortization expense due to intangibles that became fully amortized in the first six months of 2011.

*Outlook* - Consistent with the current state of the North American economy, overall demand from our customers continues to be subject to instability. While we experienced some increase in customer demand across most markets in 2013, it is uncertain the extent that sales will continue to grow during 2014. While changes in market demand are not within our control, we are focused on the areas we can impact. Staffing levels are continuously evaluated in relation to sales order rates which may result in headcount adjustments, to the extent possible, to match staffing levels with demand. We expect our continuous lean manufacturing and cost improvement initiatives to positively impact our productivity and result in a more efficient infrastructure. Additionally, we continue to seek opportunities to gain market share in markets we currently serve, to expand into new markets and to develop new product features in order to mitigate the impact of changes in demand as well as broaden our sales base.

Volatility in the costs of commodity raw materials is ongoing. Our primary commodity raw materials are zinc, brass and stainless steel, which together represent approximately 11% of our total cost of sales. We generally seek to mitigate the impact of fluctuations in commodity raw material costs on our margins through improvements in production efficiencies or other operating cost reductions. In the event we are unable to offset commodity raw material cost increases with other cost reductions, it may be difficult to recover those cost increases through increased product selling prices or surcharges due to the competitive nature of the markets served by our products. Additionally, significant surcharges may negatively affect our margins as they typically only recover the increased cost of the raw material without adding margin dollars resulting in a lower margin percentage. Consequently, overall operating margins may be negatively affected by commodity raw material cost pressures.

#### **General corporate items, interest and dividend income, interest expense, provision for income taxes, noncontrolling interest and related party transactions**

*Insurance recoveries* - We have agreements with certain insurance carriers pursuant to which the carriers reimburse us for a portion of our past lead pigment and asbestos litigation defense costs. Insurance recoveries include amounts we received from these insurance carriers. Substantially all of the \$16.9 million of insurance recoveries we recognized in 2011 relate to a new settlement we reached with one of our insurance carriers in September 2011 in which they agreed to reimburse us for a portion of our past litigation defense costs.

The agreements with certain of our insurance carriers also include reimbursement for a portion of our future litigation defense costs. We are not able to determine how much we will ultimately recover from these carriers for defense costs incurred by us because of certain issues that arise regarding which defense costs qualify for reimbursement. Accordingly, these insurance recoveries are recognized when receipt is probable and the amount is determinable. Substantially all of the insurance recoveries recognized in 2012 and 2013 relate to reimbursement of ongoing litigation defense costs. See Note 18 to our Consolidated Financial Statements.

*Litigation settlement gains and other operating income* - In 2012, we reported a \$15.0 million pre-tax gain related to the third and final closing associated with certain real property we formerly owned in New Jersey. See Note 18 to our Consolidated Financial Statements.

Other operating income in 2012 includes \$3.2 million from the sale of certain real property owned by us for which we had a nominal carrying value.

*Litigation settlement expense and corporate expense* - Corporate expenses were \$87.0 million in 2013, \$58.0 million or 201% higher than in 2012 primarily due to higher environmental and related costs. Included in 2013 corporate expenses are:

- litigation and related costs of \$10.2 million compared to \$7.5 million in 2012 and
- environmental and related costs of \$68.9 million compared to \$14.5 million in 2012.

Corporate expenses were \$29.0 million in 2012, \$4.0 million or 16% higher than in 2011 primarily due to higher environmental and related costs and offset by slightly lower litigation and related costs. Included in 2012 corporate expenses are:

- litigation and related costs of \$7.5 million compared to \$7.9 million in 2011 and
- environmental and related costs of \$14.5 million compared to \$11.4 million in 2011.

Overall, we currently expect that our net general corporate expenses in 2014 will be lower than in 2013 primarily due to lower expected environmental remediation and related costs.

The level of our litigation and related expenses varies from period to period depending upon, among other things, the number of cases in which we are currently involved, the nature of such cases and the current stage of such cases (e.g. discovery, pre-trial motions, trial or appeal, if applicable). See Note 18 to our Consolidated Financial Statements. If our current expectations regarding the number of cases in which we expect to be involved during 2014 or the nature of such cases were to change, our corporate expenses could be higher than we currently estimate.

Obligations for environmental remediation costs are difficult to assess and estimate and it is possible that actual costs for environmental remediation will exceed accrued amounts or that costs will be incurred in the future for sites in which we cannot currently estimate our liability. If these events were to occur in 2014, our corporate expenses would be higher than we currently estimate. In addition, we adjust our environmental accruals as further information becomes available to us or as circumstances change. Such further information or changed circumstances could result in an increase in our accrued environmental costs. See Note 18 to our Consolidated Financial Statements.

**Goodwill impairment** – In 2012, we recognized a \$6.4 goodwill impairment related to our EWI insurance brokerage business. See Note 8 to our Consolidated Financial Statements.

**Marketable securities transactions** - We recognized a \$16.6 million pre-tax gain in the fourth quarter of 2012 on the sale, pursuant to a tender offer, of our 1.4 million shares of TIMET stock for \$23.9 million. See Note 6 to our Consolidated Financial Statements.

**Interest and dividend income** - Interest income decreased in 2012 compared 2011 primarily due to the maturity of our \$15.0 million promissory note receivable in October 2011 and lower cash balances available for investment.

Dividend income decreased \$.4 million in 2013 compared to 2012 due to the sale of our TIMET stock in December 2012. Dividend income increased \$.5 million in 2012 due to an increase in the quarterly dividend rate of Valhi from \$.125 per share to \$.05 per share in the second quarter of 2012 and increased \$.1 million due to the resumption of TIMET's quarterly dividend in the second quarter of 2011.

**Interest expense** - We recognized interest expense on a promissory note related to a 2010 litigation settlement of \$.6 million in 2011 and \$.2 million in 2012. Such promissory note was repaid in full in December 2012. See Note 18 to our Consolidated Financial Statements.

In addition, interest expense decreased in 2013 compared to 2012 principally due to the prepayment of the remaining outstanding principal amount of CompX's note payable to TIMET Financial Management Company (TFMC) in July of 2013. Interest expense decreased in 2012 compared to 2011 as a result of the significant reduction in the principal balance of the note payable to TFMC of \$15.0 million in October of 2011 upon collection of our \$15.0 million promissory note receivable in October 2011. The average interest rate on the note payable at December 31, 2012 was 1.5%. See Note 12 to the Consolidated Financial Statements. CompX's outstanding balance on the credit facility through October of 2012 was \$2.0 million which was repaid in full in November of 2012 and terminated as of December 31, 2012. During 2011, we averaged \$2.4 million outstanding on the revolving credit facility (4.4% at December 31, 2011). We expect our interest expense in 2014 to be immaterial.

**Income tax expense (benefit)** - We recognized an income tax expense of \$19.8 million in 2011, \$19.9 million in 2012, and an income tax benefit of \$41.9 million in 2013. In 2012, there is no income tax benefit associated with the \$6.4 million goodwill impairment charge attributable to EWI because such impairment charge is not deductible for income tax purposes. In accordance with GAAP, we recognize deferred income taxes on our undistributed equity in earnings of Kronos. Because we and Kronos are part of the same U.S. federal income tax group, any dividends we receive from Kronos are nontaxable to us. Accordingly, we do not recognize and we are not required to pay income taxes on dividends from Kronos. Therefore, our effective income tax rate will generally be lower than the U.S. federal statutory income tax rate in periods during which we receive dividends from Kronos.

See Note 14 to our Consolidated Financial Statements for a tabular reconciliation of our statutory tax expense to our actual tax expense.

**Noncontrolling interest** - Noncontrolling interest in net income of CompX attributable to continuing operations is consistent in each of 2011, 2012 and 2013. Noncontrolling interest in net income of CompX attributable to discontinued operations (exclusive of the gain on sale of the discontinued operations) was consistent in 2012 compared to 2011. The noncontrolling interest related to the sale of such operations in 2012 is \$3.6 million.

**Discontinued operations** - On December 28, 2012, we completed the sale of CompX's Furniture Components operations to a competitor for proceeds, net of expenses, of approximately \$58.0 million in cash. We recognized a pre-tax gain of approximately \$23.7 million in the fourth quarter of 2012 (\$14.5 million, net of income taxes and noncontrolling interest). Discontinued operations also includes income related to the operations of such disposed unit, net of income taxes and noncontrolling interest, of \$3.6 million in 2011 and \$3.3 million in 2012. See Note 2 to our Consolidated Financial Statements.

**Related party transactions** - We are a party to certain transactions with related parties. See Notes 1 and 16 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 we could obtain from unrelated parties.



## Equity in Earnings of Kronos Worldwide, Inc.

	Years ended December 31,			% Change	
	2011	2012	2013	2011-2012	2012-2013
	(Dollars in millions)				
Net sales	\$ 1,943.3	\$ 1,976.3	\$ 1,732.4	2%	(12)%
Cost of sales	1,194.9	1,415.9	1,620.2	18%	14%
Gross margin	\$ 748.4	\$ 560.4	\$ 112.2		
Income (loss) from operations	\$ 546.5	\$ 359.6	\$ (132.6)	(34)%	(137)%
Other, net	3.3	(2.1)	(7.7)		
Interest expense	(32.7)	(26.7)	(19.6)		
Income (loss) before income taxes	517.1	330.8	(159.9)		
Income tax expense (benefit)	196.1	112.3	(57.9)		
Net income (loss)	\$ 321.0	\$ 218.5	\$ (102.0)		
Percentage of net sales:					
Cost of sales	61%	72%	94%		
Income (loss) from operations	28%	18%	(8)%		
Equity in earnings (loss) of Kronos Worldwide, Inc.	\$ 97.6	\$ 66.4	\$ (31.0)		
TiO <sub>2</sub> operating statistics:					
Sales volumes*	503	470	498	(6)%	6%
Production volumes*	550	469	474	(15)%	1%
Change in TiO <sub>2</sub> net sales:					
TiO <sub>2</sub> product pricing				10%	(19)%
TiO <sub>2</sub> sales volumes				(6)%	6%
TiO <sub>2</sub> product mix				2%	-%
Changes in currency exchange rates				(4)%	1%
Total				2%	(12)%

\* Thousands of metric tons

**Industry conditions and 2013 overview** - In the second quarter of 2013, Kronos announced price increases for its TiO<sub>2</sub> products in all of its markets, implementation of which began in June 2013. In the third and fourth quarters of 2013, Kronos notified customers of additional price increases to be implemented as contract terms and market conditions allow. As a result, after about a year of decreasing selling prices within the TiO<sub>2</sub> industry, Kronos' selling prices have generally stabilized. Kronos' average selling prices have remained stable through the last three quarters of 2013, and its average selling prices in the fourth quarter of 2013 were 1% higher as compared to the third quarter of 2013. Demand for TiO<sub>2</sub> products has generally been strong in 2013, primarily in European and export markets, as customers have generally depleted their inventories in response to general global economic uncertainty.

While Kronos operated its production facilities at full practical capacity rates in the first quarter of 2012, it operated its facilities at reduced rates during the remainder of 2012 (approximately 86% of practical capacity in the second quarter, approximately 71% in the third quarter and approximately 80% in the fourth quarter) to align production levels and inventories to current and anticipated near-term customer demand levels. Kronos continued to operate its production facilities at reduced capacity rates in 2013 (approximately 92%, 90%, 82% and 81% of practical capacity in the first through fourth quarter periods, respectively). Kronos' production capacity utilization rates in the second half of 2013 were impacted by the lockout at its Canadian production facility, as discussed below.

Kronos experienced significantly higher costs for its raw materials such as third party feedstock ore and petroleum coke in 2012. Kronos operates two ilmenite mines in Norway, the production from which provides all of the feedstock for its European sulfate process facilities as well as third party ilmenite ore sales. Kronos' cost of sales per metric ton of TiO<sub>2</sub> sold in the first half of 2013 was significantly higher than TiO<sub>2</sub> sold in the first half of

2012, as a substantial portion of the TiO<sub>2</sub> products Kronos sold in the first quarter of 2012 (and a portion of the TiO<sub>2</sub> products Kronos sold in the second quarter of 2012) was produced with lower-cost feedstock ore purchased in 2011, while a substantial portion of the TiO<sub>2</sub> products it sold in the first quarter of 2013 (and a portion of the TiO<sub>2</sub> products it sold in the second quarter of 2013) was produced with higher-cost feedstock ore purchased in 2012. Kronos saw some moderation in the cost of TiO<sub>2</sub> feedstock ore procured from third parties in 2013, but such reductions did not begin to be significantly reflected in its cost of sales until the third quarter of 2013. As expected, Kronos' cost of sales per metric ton of TiO<sub>2</sub> sold in the second half of 2013 was lower than the cost of sales per metric ton of TiO<sub>2</sub> sold in the second half of 2012, primarily due to the lower feedstock ore costs. If third-party feedstock ore costs reflected in Kronos' cost of sales in 2013 had been based on its current cost of third-party feedstock ore, its cost of sales for 2013 would have been approximately \$218 million lower.

**Net sales** – Kronos' net sales decreased 12% or \$243.9 million in 2013 compared to 2012, primarily due to the net effects of a 19% decrease in average TiO<sub>2</sub> selling prices (which decreased net sales by approximately \$375 million) and a 6% increase in sales volumes (which increased net sales by approximately \$119 million).

Kronos' net sales increased 2% or \$33.0 million in 2012 compared to 2011, primarily due to the net effects of a 10% increase in average TiO<sub>2</sub> selling prices (which increased net sales by approximately \$194 million) and a 6% decrease in sales volumes (which decreased net sales by approximately \$117 million). 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.

Kronos' sales volumes increased 6% in 2013 as compared to 2012 due to increased customer demand primarily in European and certain export markets, partially offset by decreased demand in North American markets. In addition, Kronos estimates the favorable effect of changes in currency exchange rates increased its net sales by approximately \$18 million, or 1%, as compared to 2012.

Kronos' sales volumes decreased 6% in 2012 as compared to 2011 due to decreased customer demand in European markets partially offset by higher sales in U.S. and export markets. In addition, Kronos estimates the unfavorable effect of changes in currency exchange rates decreased its net sales by approximately \$82 million, or 4%, as compared to 2011.

**Cost of sales** – Kronos' cost of sales increased \$204.3 million or 14% in 2013 compared to 2012 due to the net impact of higher raw materials and other production costs of approximately \$115 million (primarily caused by the higher third-party feedstock ore costs), a 6% increase in sales volumes, a 1% increase in production volumes and currency fluctuations (primarily the euro). Kronos' cost of sales per metric ton of TiO<sub>2</sub> sold in the first half of 2013 was significantly higher than TiO<sub>2</sub> sold in the first half of 2012, as a substantial portion of the TiO<sub>2</sub> products it sold in the first quarter of 2012 (and a portion of the TiO<sub>2</sub> products it sold in the second quarter of 2012) was produced with lower-cost feedstock ore purchased in 2011, while a substantial portion of the TiO<sub>2</sub> products Kronos sold in the first quarter of 2013 (and a portion of the TiO<sub>2</sub> products it sold in the second quarter of 2013) was produced with higher-cost feedstock ore purchased in 2012. As expected, the cost of sales per metric ton of TiO<sub>2</sub> sold in the second half of 2013 was lower than the cost of sales per metric ton of TiO<sub>2</sub> sold in the second half of 2012 primarily due to the lower feedstock ore costs as discussed and quantified above. Cost of sales as a percentage of net sales increased to 94% in 2013 compared to 72% in 2012 primarily due to the combined effects of higher raw materials and other production costs and the lower average TiO<sub>2</sub> selling prices as discussed above. In addition, cost of sales in 2013 includes approximately \$19 million of unabsorbed fixed production and other manufacturing costs associated with the lockout at Kronos' Canadian TiO<sub>2</sub> production facility and approximately \$9 million of one-time costs resulting from the terms of the new collective bargaining agreement for its Canadian workforce, each of which were charged directly to cost of sales as discussed below.

Unionized employees in Kronos' Canadian TiO<sub>2</sub> production facility were covered by a collective bargaining agreement that expired June 15, 2013. The Canadian facility represents approximately 19% of Kronos' worldwide TiO<sub>2</sub> production capacity. The union employees represented by the Confederation des Syndicat National (CSN) rejected Kronos' revised global offer, and Kronos declared a lockout of unionized employees upon the expiration of the existing contract. Effective the end of November 2013, a new collective bargaining agreement was reached with CSN and production at the facility resumed in February 2014. During the lockout Kronos operated its

Canadian plant at approximately 15% of the plant's capacity with non-union management employees. The reduction in its TiO<sub>2</sub> production volumes at its Canadian facility resulted in approximately \$19 million of unabsorbed fixed production and other manufacturing costs that were charged directly to cost of sales. In addition, Kronos recognized approximately \$9 million in expenses associated with reaching a new collective bargaining agreement, consisting of a net \$7 million non-cash charge due to the curtailment of one of its Canadian defined benefit pension plans and its Canadian other postretirement benefit plan and approximately \$2 million of severance and other back-to-work expenses.

Kronos' cost of sales increased \$221.0 million or 18% in 2012 compared to 2011 due to the net impact of higher raw material and other production costs of approximately \$331 million (primarily feedstock ore and petroleum coke), a 6% decrease in sales volumes, a 15% decrease in production volumes and currency fluctuations (primarily the euro). Cost of sales as a percentage of net sales increased to 72% in 2012 compared to 61% in 2011 primarily due to the net effects of higher raw material costs, the unfavorable effects of unabsorbed fixed production costs resulting from reduced production volumes and higher average selling prices. Kronos reduced its TiO<sub>2</sub> production volumes during 2012 in order to align inventory levels with lower demand, which resulted in approximately \$25 million of unabsorbed fixed production costs that were charged directly to cost of sales. Additionally, 2012 reflects the benefit of lower raw material costs in the first quarter of 2012 (as compared to current costs) as lower cost raw materials purchased at the end of 2011 were used in the 2012 production process.

***Other operating expense, net*** – Kronos' other operating expense in 2013 includes a litigation settlement charge of \$35 million.

***Gross margin and income from operations*** – Kronos' income from operations decreased by \$492.2 million from income of \$359.6 million in 2012 to a loss of \$132.6 million in 2013. Income (loss) from operations as a percentage of net sales decreased to (8)% in 2013 from 18% in 2012. This decrease was driven by the decline in gross margin, which decreased to 6% in 2013 compared to 28% in 2012, and the 2013 litigation settlement charge discussed above. As discussed and quantified above, Kronos' gross margin has decreased primarily due to the net effects of lower selling prices, higher manufacturing costs (primarily raw materials), higher sales volumes, costs associated with reaching a new Canadian collective bargaining agreement, and lower unabsorbed fixed costs charged directly to cost of sales.

Kronos' income from operations decreased by \$186.9 million from \$546.5 million in 2011 to \$359.6 million in the 2012. Income from operations as a percentage of net sales decreased to 18% in 2012 from 28% in 2011. This decrease was driven by the decline in gross margin, which decreased to 28% in 2012 compared to 39% in 2011. As discussed and quantified above, Kronos' gross margin has decreased primarily due to the net effects of higher manufacturing costs (primarily raw materials), higher selling prices, lower sales volumes and unabsorbed fixed costs related to lower production volumes.

Additionally, changes in currency exchange rates have negatively affected its gross margin and income from operations. Kronos estimates that changes in currency exchange rates decreased income from operations by approximately \$2 million in 2013 compared to 2012. Kronos estimates that changes in currency exchange rates decreased income from operations by approximately \$10 million in 2012 compared to 2011.

As a percentage of net sales, selling, general and administrative expenses were relatively consistent at approximately 11% , 9% and 10% for 2011, 2012 and 2013 respectively.

***Other non-operating income (expense)*** – Kronos recognized an aggregate \$8.9 million pre-tax charge, consisting of the write-off of unamortized original issue discount costs and deferred financing costs, in 2013 related to the voluntary prepayment of its term loan by \$290 million in the first quarter of 2013 and the remaining \$100 million in the third quarter of 2013.

Kronos recognized an aggregate \$7.2 million pre-tax charge in the second quarter of 2012 related to the early extinguishment of its remaining Senior Secured Notes. Kronos also recognized a \$3.9 million securities transaction loss in the fourth quarter of 2012 on the sale, pursuant to a tender offer, of its 4.2 million shares of TIMET stock for \$70.0 million.

Kronos' interest expense decreased \$7.1 million from \$26.7 million in 2012 to \$ 19.6 million in 2013 primarily due to lower average debt levels in 2013.

Kronos' interest expense decreased \$6.0 million from \$32.7 million in 2011 to \$26.7 million in 2012 primarily due to the effects of lower 2012 average debt levels of its Senior Secured Notes resulting from the March 2011 redemption and open market purchases in the third and fourth quarters of 2011. In addition, outstanding debt in 2012 carried lower average interest rates than in 2011.

In March 2011, Kronos redeemed €80 million principal amount of its 6.5% Senior Secured Notes and borrowed under its European revolving credit facility in order to fund the redemption. In the third and fourth quarters of 2011, Kronos repurchased, in open market transactions, an aggregate €40.8 million principal amount of its Senior Notes. As a result of these redemptions, Kronos recognized a net \$3.1 million pre-tax interest charge consisting of the call premium, the write-off of unamortized deferred financing costs and original issue discount associated with the redeemed and purchased Notes.

Kronos' interest and dividend income decreased \$7.8 million to \$1.2 million in 2013 primarily due to lower balances available for investment, principally related to its loan to Valhi which was completely repaid in December 2012. Interest income on its loan to Valhi was \$7.1 million in 2012.

**Income tax provision** – Kronos recognized an income tax benefit of \$57.9 million in 2013 compared to an income tax provision of \$112.3 million in 2012. The difference is primarily due to Kronos' decreased earnings in 2013. Kronos recognized an income tax provision of \$112.3 million in 2012 compared to a \$196.1 million in 2011. This decrease in provision for income taxes was primarily due to lower income from operations in 2012 compared to 2011. Some of the more significant items are summarized below.

- Kronos' income tax provision in 2012 includes a net incremental tax benefit of \$3.1 million. Kronos determined during the third quarter that due to global changes in the business it would not remit certain dividends from its non-U.S. jurisdictions. As a result, certain current year tax attributes were available for carryback to offset prior year tax expense and Kronos' provision for income taxes in the third quarter included an incremental tax benefit of \$11.1 million. During the fourth quarter as a result of a change in circumstances related to Kronos' sale and the sale by certain of our affiliates of their shares of TIMET common stock, which sale provided an opportunity for Kronos and other members of our consolidated U.S. federal income tax group to elect to claim foreign tax credits, Kronos determined that it could tax-efficiently remit non-cash dividends from its non-U.S. jurisdictions before the end of the year, that absent the TIMET sale would not have been considered. Kronos' provision for income taxes in the fourth quarter of 2012 includes an incremental tax related to the non-cash dividend distributions of \$8.0 million.
- Kronos' income tax provision in 2011 includes \$17.2 million for U.S. incremental income taxes on current earnings repatriated from its German subsidiary, which earnings were used to fund a portion of the redemption and repurchases of its Senior Secured Notes.

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

Kronos has substantial operations and assets located outside the United States (primarily in Germany, Belgium, Norway and Canada). The majority of its 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 its sales generated from its 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. Consequently, the translated U.S. dollar value of Kronos' 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, Kronos' 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, Kronos estimates that fluctuations in currency exchange rates had the following effects on its sales and income from operations for the periods indicated.

<b>Impact of changes in currency exchange rates - 2013 vs. 2012</b>					
<b>Transaction gains/(losses) recognized</b>				<b>Translation gain/(loss)- impact of rate changes</b>	<b>Total currency impact 2013 vs.2012</b>
<b>2012</b>	<b>2013</b>	<b>Change</b>			
<b>(In millions)</b>					
<b>Impact on:</b>					
Net sales	\$ -	\$ -	\$ -	\$ 18	\$ 18
Income from operations	(1)	(4)	(3)	1	(2)

<b>Impact of changes in currency exchange rates - 2012 vs. 2011</b>					
<b>Transaction gains/(losses) recognized</b>				<b>Translation gain/(loss)- impact of rate changes</b>	<b>Total currency impact 2012 vs.2011</b>
<b>2011</b>	<b>2012</b>	<b>Change</b>			
<b>(In millions)</b>					
<b>Impact on:</b>					
Net sales	\$ -	\$ -	\$ -	\$ (82)	\$ (82)
Income from operations	3	(1)	(4)	(6)	(10)

#### **Outlook**

During 2013 Kronos operated its production facilities at 86% of practical capacity. Kronos' production utilization rates in 2013 were impacted by the lockout at its Canadian production facility that began in June 2013, as it operated its Canadian plant at approximately 15% of the plant's capacity with non-union management employees during the lockout. Kronos believes that its annual attainable production capacity for 2014 is approximately 555,000 metric tons. While Kronos expects its production volumes to be higher in 2014 as compared to 2013, it expects that it will operate at less-than-full production capacity for 2014, due principally to the ramp-up of operations at its Canadian facility following the end of the lockout in December 2013 as well as the implementation of certain productivity-enhancing capital improvement projects at other facilities which will result in longer-than-normal maintenance shutdowns in certain instances. Assuming economic conditions do not deteriorate in the various regions of the world, Kronos expects its sales volumes to be higher in 2014 as compared to 2013. Kronos will continue to monitor current and anticipated near-term customer demand levels and align its production and inventories accordingly.

Kronos saw some moderation in the cost of TiO<sub>2</sub> feedstock ore procured in 2013; however, these reductions did not begin to be significantly reflected in its cost of sales until the third quarter of 2013. As expected, Kronos' cost of sales per metric ton of TiO<sub>2</sub> sold in the second half of 2013 was lower than the cost of sales per metric ton of TiO<sub>2</sub> sold in the second half of 2012, primarily due to the lower feedstock ore costs. Given the time lag between when Kronos procures third-party feedstock ore and when the TiO<sub>2</sub> product produced with such third-party feedstock is sold and recognized in its cost of sales, Kronos expects its cost of sales per metric ton of TiO<sub>2</sub> sold in 2014 will be lower than the cost of sales per metric ton of TiO<sub>2</sub> sold in 2013. Although the cost of feedstock ore has and continues to moderate, such reductions have been inadequate to compensate for the decline in selling prices for Kronos' products over the past year. Kronos started 2013 with selling prices 16% lower than the beginning of 2012, and its average selling prices at the end of 2013 were 7% below prices at the end of 2012 (with most of the decline during 2013 occurring in the first quarter). In addition, Kronos' average selling prices at the end of 2013 were slightly higher as compared to its average selling prices during the year 2013. In the second quarter of 2013, Kronos announced price increases for its TiO<sub>2</sub> products in all of its markets, implementation of which began in June 2013. In the third and fourth quarters of 2013, Kronos notified customers of additional price increases to be implemented as contract terms and market conditions allow. Industry data indicates that overall TiO<sub>2</sub> inventory held by producers has been significantly decreased and Kronos believes most customers hold very low inventories of TiO<sub>2</sub> with many

operating on a just-in-time basis. As a result, lead times for delivery are increasing. With the strong sales volumes experienced in 2013, Kronos continues to see evidence of improvement in demand for its TiO<sub>2</sub> products, which Kronos believes will support implementation of additional selling price increases in the near term.

Overall, Kronos expects that income from operations in 2014 will be higher as compared to 2013, as a result of:

- the favorable effect of lower-cost feedstock ore,
- the favorable effects of anticipated higher sales and production volumes in 2014 (in part from the resumption of production at its Canadian TiO<sub>2</sub> production facility),
- the litigation settlement charge recognized in 2013, and
- the favorable impact of increases in its selling prices that Kronos would be able to achieve during 2014.

Due to the constraints, high capital costs and extended lead time associated with adding significant new TiO<sub>2</sub> production capacity, especially for premium grades of TiO<sub>2</sub> products produced from the chloride process, Kronos believes increased and sustained profit margins will be necessary to financially justify major expansions of TiO<sub>2</sub> production capacity required to meet expected future growth in demand. As a result of customer decisions over the last year and the resulting adverse effect on global TiO<sub>2</sub> pricing, industry projects to increase TiO<sub>2</sub> production capacity have been cancelled or deferred indefinitely. Given the lead time required for such production capacity expansions, Kronos expects a prolonged shortage of TiO<sub>2</sub> products will occur as economic conditions improve and global demand levels for TiO<sub>2</sub> continue to increase.

Kronos' expectations for its future operating results are based upon a number of factors beyond its 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 Kronos' expectations, its results of operations could be unfavorably affected.

#### **Assumptions on defined benefit pension plans and OPEB plans**

**Defined benefit pension plans** - We maintain various defined benefit pension plans in the U.S. and the U.K., and Kronos maintains various defined benefit pension plans in the U.S., Europe and Canada. See Note 15 to our Consolidated Financial Statements.

Under defined benefit pension plan accounting, defined benefit pension plan expense and prepaid 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 income of \$.4 million in 2011, pension plan expense of \$.1 million in 2012 and pension plan income of \$.6 million in 2013. The 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 recognized under GAAP for financial reporting purposes. We made contributions to all of our plans of approximately \$.6 million in 2011, \$.2 million in 2012 and \$1.5 million in 2013.

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, 2013, our projected benefit obligations for defined benefit plans comprised \$44.9 million related to U.S. plans and \$9.8 million for the U.K. plan, which is associated with a former disposed business. We

use different discount rate assumptions in determining our defined benefit pension plan obligations and expense for the plans we maintain in the United States and the U.K. as 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, 2011 and expense in 2012</b>		<b>Obligations at December 31, 2012 and expense in 2013</b>		<b>Obligations at December 31, 2013 and expense in 2014</b>	
United States	4.2	%	3.6%		4.5%	
United Kingdom	5.0	%	4.5%		4.5%	

The assumed long-term rate of return on plan assets represents the estimated average rate of return expected to be earned on the funds invested or to be invested from 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 in which benefits are not still being earned by active employees).

At December 31, 2013, approximately 80% of the plan assets related to plan assets for our plans in the U.S., with the remainder related to the U.K. plan. We use different long-term rates of return on plan asset assumptions for our U.S. and U.K. defined benefit pension plan expense because the respective plan assets 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 of each of our plans and the expected long-term rates of return for such asset components as well as the historical rates of return achieved. At December 31, 2012 and 2013, substantially all of the assets attributable to U.S. plans 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 benefits 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). Prior to December 2012, the CMRT had an investment in TIMET common stock; however, in December, 2012 the CMRT sold its shares of common stock in conjunction with the tender offer discussed in Note 6. During the history of the CMRT from its inception in 1988 through December 31, 2013, the average annual rate of return has been 14%.

The CMRT weighted-average asset allocation by asset category was as follows:

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
Equity securities and limited partnerships	53%	64%
Fixed income securities	12	35
Other, mainly cash	35	1
Total	100%	100%

The relatively high percentage of the CMRT invested in cash and other assets at December 31, 2012 is the result of the CMRT's December 2012 disposition of its shares of TIMET common stock, which generated aggregate proceeds to the CMRT of \$254.7 million (or approximately 35% of the CMRT's total asset value at December 31, 2012). Subsequently in January 2013, the CMRT redeployed such proceeds into other investments.

We regularly review our actual asset allocation for our U.K. plan, and will periodically rebalance the investments in the plan to more accurately reflect the targeted allocation. 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 2011, 2012 and 2013 were as follows:

	<b>2011</b>	<b>2012</b>	<b>2013</b>
United States	10.0%	10.0%	<b>10.0%</b>
United Kingdom	5.8%	5.8%	<b>5.8%</b>

We currently expect to utilize 7.5% as the rate of return on plan assets in the United States (for reasons discussed in Note 15 to our Consolidated Financial Statements), and the same long-term rate of return on plan asset assumptions in 2014 as we used in 2013 in the United Kingdom for purposes of determining the 2014 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 would be based in part upon expected increases in future compensation levels. However, we have no active employees participating in our defined benefit pension plans. Such plans are closed to additional participants and assumptions regarding future compensation levels are not applicable for our plans.

In addition to the actuarial assumptions discussed above, because we maintain a defined benefit pension plan in the U.K., 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.

As discussed above, assumed discount rates and rates of return on plan assets are reevaluated annually. 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 included in earnings of any cumulative unrecognized actuarial losses, while any actuarial losses generated in future periods would reduce the favorable amortization effect included in earnings of any cumulative unrecognized actuarial gains.

During 2013, all of our defined benefit pension plans generated a combined net actuarial gain of approximately \$5.3 million. This actuarial gain resulted primarily from the actual return on plan assets during 2013 in excess of the expected return as well as the increase in the discount rate for our U.S. plan from December 31, 2012 to December 31, 2013.

During 2012, all of our defined benefit pension plans generated a combined net actuarial loss of approximately \$4 million. This actuarial loss resulted primarily from the general reduction in discount rates from



December 31, 2011 to December 31, 2012, partially offset by an actual return on plan assets during 2012 in excess of the expected return.

Based on the actuarial assumptions described above and our current expectation for what actual average currency exchange rates will be during 2014, we expect to recognize defined benefit pension credit of approximately \$.1 million in 2014. In comparison, we expect to be required to contribute approximately \$1.7 million to such plans during 2014.

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 that 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 of our plans as of December 31, 2013, our aggregate projected benefit obligations would have increased by approximately \$1.1 million at that date. Such a change would not materially impact our defined benefit pension income for 2013. 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 \$.1 million during 2014.

**OPEB plans** - We provide certain health care and life insurance benefits for eligible retired employees in the U.S. See Note 15 to our Consolidated Financial Statements. Under GAAP, 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.

We recognized consolidated OPEB income of \$.6 million in each of 2011 and 2012, and \$.7 million in 2013. 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 \$.5 million in each of 2011, 2012 and 2013. Substantially all of our accrued OPEB cost relates to benefits being paid to retirees and their dependents, and no OPEB benefits are being earned by current employees. As a result, the amount recognized for OPEB expense for financial reporting purposes has been, and is expected to continue to be, significantly less than the amount of OPEB benefit payments made each year. Accordingly, the amount of accrued OPEB expense is expected to decline gradually over time.

The assumed discount rates we utilize for determining OPEB expense and the related accrued OPEB obligations are generally based on the same discount rates we utilize for our defined benefit pension plans.

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. In certain cases, we have the right to pass on to retirees all or a portion of increases in health care costs. 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 and plan-design cost containment initiatives. For example, at December 31, 2013 the expected rate of increase in future health care costs ranges from 7.0% in 2014, declining to 5.0% in 2018 and thereafter.

Based on the actuarial assumptions and amended benefit formula described above, we expect to recognize consolidated OPEB income of approximately \$.7 million in 2014. In comparison, we expect to be required to make approximately \$.7 million of contributions to such plans during 2014.

As noted above, OPEB expense and the amount we recognize as accrued OPEB costs are based upon the actuarial assumptions discussed above. We believe that all of the actuarial assumptions used are reasonable and appropriate. If we had lowered the assumed discount rate by 25 basis points for all of our OPEB plans as of December 31, 2013, our aggregate projected benefit obligations would have increased by less than \$.1 million at that date, and the change to OPEB expense would not have been material for 2014. Similarly, if the assumed future health care cost trend rate had been increased by 100 basis points, our accumulated OPEB obligations would have increased by \$.1 million at December 31, 2013 and the change to OPEB expense would not have been material.

## Non-U.S. Operations

**Kronos** - Kronos has substantial operations located outside the United States (principally Europe and Canada) for which the functional currency is not the U.S. dollar. As a result, the reported amount of our net investment in Kronos will fluctuate based upon changes in currency exchange rates. At December 31, 2013, Kronos had substantial net assets denominated in the euro, Canadian dollar, Norwegian krone and British pound sterling.

## LIQUIDITY AND CAPITAL RESOURCES

### Consolidated cash flows

#### *Operating activities*

Trends in cash flows from operating activities, excluding the impact of deferred taxes and relative changes in assets and liabilities, are generally similar to trends in our income (loss) from operations. Our Consolidated Statements of Cash Flows for the years ended December 31, 2011 and 2012 have not been revised for discontinued operations resulting from the sale of CompX's Furniture Components business. See Note 2 to our Consolidated Financial Statements. Cash flows provided by operating activities decreased from \$18.0 million in 2012 to \$14.9 million in 2013. The \$3.1 million decrease in cash provided by operating activities includes the net effects of:

- the \$7.4 million of income from operations in 2012 attributable to CompX's disposed operations,
- higher income from continuing operations attributable to CompX's continuing operations in 2013 of \$3.9 million,
- higher amount of net cash used for relative changes in receivables, inventories, payables and accrued liabilities in 2013 of \$8.3 million,
- lower cash paid for environmental remediation and related costs in 2013 of \$4.8 million,
- lower cash paid for interest in 2013 of \$.8 million and
- lower cash paid for income taxes in 2013 of \$2.2 million.

Cash flows provided by operating activities decreased from \$48.2 million in 2011 to \$18.0 million in 2012. The \$30.2 million decrease in cash provided by operating activities includes the net effect of:

- lower dividends received from Kronos in 2012 of \$16.7 million primarily due to Kronos' special dividend of \$.50 per share in 2011,
- lower income from operations attributable to CompX's continuing operations in 2012 of \$1.0 million and lower income from operations attributable to CompX's discontinued operations of \$1.7 million,
- higher net corporate expenses in 2012 of \$4.0 million,
- lower cash received from insurance recoveries in 2012 of \$13.0 million,
- higher net cash provided by relative changes in receivables, inventories, payables and accrued liabilities in 2012 of \$6.0 million,
- higher cash paid for income taxes in 2012 of \$.8 million and
- lower cash paid for interest in 2012 of \$1.4 million due to the interest payment on CompX's note payable to affiliate in March 2011 which included deferred interest for all of 2010.

We do not have complete access to CompX's cash flows in part because we do not own 100% of CompX. A detail of our consolidated cash flows from operating activities is presented in the table below. Intercompany dividends have been eliminated. The reference to NL Parent in the tables below is a reference to NL Industries, Inc., as the parent company of CompX and our other wholly-owned subsidiaries.

	Years ended December 31,		
	2011	2012	2013
	(In millions)		
Net cash provided by (used in) operating activities:			
CompX	\$ 16.0	\$ 13.8	\$ (4.1)
NL Parent and wholly-owned subsidiaries	37.6	9.6	22.0
Eliminations	(5.4)	(5.4)	(3.0)
Total	<u>\$ 48.2</u>	<u>\$ 18.0</u>	<u>\$ 14.9</u>

Relative changes in working capital can have a significant effect on cash flows from operating activities. As shown below, our total average days sales outstanding decreased from December 31, 2012 to December 31, 2013 primarily as a result of the timing of sales and collections in the last month of 2013 compared to 2012. Our overall December 31, 2013 days in inventory compared to December 31, 2012 is consistent and is in line with our expectations. For comparative purposes, we have provided 2011 numbers below.

	2011	2012	2013
Days sales outstanding	39 days	40 days	35 days
Days in inventory	71 days	71 days	76 days

### *Investing activities*

Net cash provided by investing activities totaled \$9.8 million in 2011, \$92.2 million in 2012, and \$3.0 million in 2013. Capital expenditures, substantially all of which relate to CompX, have primarily emphasized improving our manufacturing facilities and investing in manufacturing equipment which utilizes new technologies and increases automation of the manufacturing process to provide for increased productivity and efficiency. The significant items impacting cash provided by investing activities are as follows:

During 2013:

- we collected \$3.0 million in principal payments on a note receivable,
- we received \$1.6 million in net proceeds from the sale of assets held for sale and
- we reduced restricted cash by \$2.0 million due to lower requirements for us to maintain such restricted cash balances in connection with our environmental remediation activities.

During 2012:

- we received \$15.6 million from the final closing contained in a settlement agreement related to condemnation proceedings on certain real property we formerly owned in New Jersey,
- we sold CompX's Furniture Components operations for net proceeds of \$58.0 million less cash of the disposed operations of \$5.4 million,
- we sold our 1.4 million shares of common stock of TIMET for \$24.1 million and
- we received \$6.8 million in proceeds from the sale of certain real property we owned in North Carolina and from the sale of CompX's assets held for sale which was previously included in assets held for sale.

During 2011:

- CompX acquired an ergonomic component products business for \$4.8 million and
- we collected the \$15 million due to us on our promissory note related to the settlement of condemnation proceedings.

### ***Financing activities***

Net cash used in financing activities totaled \$61.5 million in 2011, \$44.1 million in 2012, and \$43.3 million in 2013. We paid cash dividends of \$24.3 million (\$.50 per share) and CompX paid \$.8 million in cash dividends to noncontrolling interests. Other financing activities over the past three years include:

During 2013:

- CompX made \$18.5 million repayments on its outstanding long-term debt, including the July 2013 prepayment of the remaining outstanding principal balance plus accrued interest without penalty.

During 2012:

- CompX repaid an aggregate of \$3.8 million on its promissory note payable,
- CompX repaid \$2.0 million that was outstanding under its revolving credit facility,
- we paid an aggregate and final \$9.0 million on a promissory note issued in conjunction with a litigation settlement and
- we had net repayments of \$4.1 million on our promissory note with Valhi.

During 2011:

- CompX repaid \$20.0 million in principal payments on its promissory note payable,
- CompX had net repayments of \$.6 million under its revolving credit facility,
- we paid \$9.0 million in 2011 on a promissory note in conjunction with a litigation settlement and
- we had net repayments of \$7.2 million on our promissory note with Valhi.

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

At December 31, 2013, NL and CompX did not have outstanding debt obligations.

Provisions contained in Kronos' credit agreements could result in the acceleration of any indebtedness prior to its stated maturity for reasons other than defaults from failure to comply with typical financial or payment 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 of the ordinary course of business.

The terms of Kronos' indebtedness contain a number of covenants and restrictions which, among other things, restrict Kronos' ability to incur additional debt, incur liens, pay dividends or merge or consolidate with, or sell or transfer substantially all of its assets to, another entity, and contains other provisions and restrictive covenants customary in lending transactions of this type. Kronos' European revolving credit facility also requires the maintenance of certain financial ratios. At both September 30, 2013 and December 31, 2013, and based on the current earnings before income tax, interest, depreciation and amortization expense (EBITDA) of the borrowers, Kronos would not have met the financial test if the borrowers had any net debt outstanding at such dates. In December 2013, the lenders under the European revolving credit facility granted a waiver until June 30, 2014 with respect to the financial test, but Kronos' ability to borrow any amounts under the facility is subject to the requirement that the borrowers maintain a specified level of EBITDA. Kronos is in compliance with all of its respective debt covenants at December 31, 2013, as amended by the waiver with respect to the European revolving credit facility discussed above. We believe that Kronos will be able to comply with its financial covenants through their maturities, including the requirement to maintain a specified level of EBITDA with respect to its European revolving credit facility consistent with the waiver; however, if future operating results differ materially from our predictions Kronos may be unable to maintain compliance. In such an event, Kronos believes it has alternate sources of liquidity, including cash on hand and borrowings under its North American revolver (which does not contain any financial maintenance covenants) in order to adequately address any compliance issues which might arise.

## Liquidity

Our primary source of liquidity on an ongoing basis is our cash flow from operating activities and credit facilities with affiliates and banks as further discussed below. We generally use these amounts to (i) fund capital expenditures (substantially all of which relate to CompX), (ii) pay ongoing environmental remediation and legal expenses and (iii) provide for the payment of debt service and dividends.

At December 31, 2013, we had aggregate cash, cash equivalents and restricted cash of \$57.6 million, substantially all of which was held in the U.S. A detail by entity is presented in the table below.

CompX	\$	38.7
NL Parent and wholly-owned subsidiaries		18.9
Total	\$	<u>57.6</u>

In addition, at December 31, 2013 we owned 14.4 million shares of Valhi common stock with an aggregate market value of \$252.7 million. See Note 6 to our Consolidated Financial Statements. We also owned 35.2 million shares of Kronos common stock at December 31, 2013 with an aggregate market value of \$670.9 million. See Note 7 to our Consolidated Financial Statements.

We routinely compare our liquidity requirements and alternative uses of capital against the estimated future cash flows we expect to receive from our subsidiaries and affiliates. As a result of this process, we have in the past and may in the future seek to raise additional capital, incur debt, repurchase indebtedness in the market or otherwise, modify our dividend policies, consider the sale of our interests in our subsidiaries, affiliates, business, marketable securities or other assets, or take a combination of these and other steps, to increase liquidity, reduce indebtedness and fund future activities. Such activities have in the past and may in the future involve related companies.

We periodically evaluate acquisitions of interests in or combinations with companies (including related companies) perceived by management to be undervalued in the marketplace. These companies may or may not be engaged in businesses related to our current businesses. We intend to consider such acquisition activities in the future and, in connection with this activity, may consider issuing additional equity securities and increasing indebtedness. From time to time, we also evaluate the restructuring of ownership interests among our respective subsidiaries and related companies.

Based upon our expectations of our operating performance, and the anticipated demands on our cash resources we expect to have sufficient liquidity to meet our short-term obligations (defined as the twelve-month period ending December 31, 2014). If actual developments differ materially from our expectations, our liquidity could be adversely affected. In this regard, Valhi has agreed to loan us up to \$40 million on a revolving basis. At December 31, 2013, we had no outstanding borrowings under this facility, and the full \$40 million was available for future borrowing. The amount of any such outstanding loan Valhi would make to us is at Valhi's discretion. We currently do not expect to be required to borrow any material amounts from Valhi during 2014 under this facility.

## Capital expenditures

Capital expenditures, substantially all of which relate to CompX, were \$3.3 million in 2011, \$4.6 million in 2012, and \$3.5 million in 2013. Capital expenditures have primarily emphasized improvements to CompX's manufacturing facilities and investments in manufacturing equipment, which utilize new technologies and increase automation of the manufacturing process to provide for increased productivity and efficiency. Capital expenditures for 2011 and 2012 include amounts attributable to our disposed operations. Approximately \$.6 million and \$.8 million of our 2012 and 2013 capital expenditures, respectively, relates to the implementation of a new manufacturing and accounting system for our Security Products and Marine Components operations that was implemented in January of 2014. Our capital expenditures over all three years were primarily related to expenditures required to meet expected customer demand and properly maintain our facilities and technology infrastructure. Capital spending for 2014 is expected to be funded through cash on hand and cash generated from operations and relates to expenditures required to meet expected customer demand and properly maintain our facilities and technology infrastructure.

## Dividends

Because our operations are conducted primarily through subsidiaries and affiliates, our long-term ability to meet parent company-level corporate obligations is largely dependent on the receipt of dividends or other distributions from our subsidiaries and affiliates. In May 2013, CompX's board of directors reduced its regular quarterly dividend from \$.125 per share to \$0.05 per share, effective with its second quarter 2013 dividend. A detail of annual dividends we expect to receive from our subsidiaries and affiliates in 2014, based on the number of shares of common stock of these affiliates we own as of December 31, 2013 and their current regular quarterly dividend rate, is presented in the table below.

	Shares held at December 31, 2013	Quarterly dividend rate	Annual expected dividend
	(In millions)		(In thousands)
Kronos	35.2	\$ .15	\$ 21.1
CompX	10.8	.05	2.2
Valhi	14.4	.05	2.9
Total expected annual dividends			<u>\$ 26.2</u>

## Investments in our subsidiaries and affiliates and other acquisitions

We have in the past and may in the future, purchase the securities of our subsidiaries and affiliates or third-parties in market or privately-negotiated transactions. We base our purchase decisions on a variety of factors, including an analysis of the optimal use of our capital, taking into account the market value of the securities and the relative value of expected returns on alternative investments. In connection with these activities, we may consider issuing additional equity securities or increasing our indebtedness. We may also evaluate the restructuring of ownership interests of our businesses among our subsidiaries and related companies.

## Summary of other contractual commitments

As more fully described in the notes to our Consolidated Financial Statements, we are party to various lease and other agreements which contractually and unconditionally commit us to pay certain amounts in the future. See Notes 18 to our Consolidated Financial Statements. The following table summarizes our contractual commitments as of December 31, 2013 by the type and date of payment.

Contractual commitment	Payment due date				Total
	2014	2015/2016	2017/2018	2019 and after	
	(In millions)				
Operating leases	\$ .1	\$ .2	\$ -	\$ -	\$ .3
Purchase obligations	16.3	-	-	-	16.3
Fixed asset acquisitions	.4	-	-	-	.4
Other	1.0	2.0	-	-	3.0
	<u>\$ 17.8</u>	<u>\$ 2.2</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 20.0</u>

The amount shown for our commitments related to operating leases and fixed asset acquisitions are based upon the contractual payment amount and the contractual payment date for such commitments. The timing and amount shown for raw material and other purchase obligations, which consist of all open purchase orders and contractual obligations (primarily commitments to purchase raw materials) is also based on the contractual payment amount and the contractual payment date for such commitments. Fixed asset acquisitions include firm purchase commitments for capital projects.

The above table does not reflect any amounts that we might pay to fund our defined benefit pension 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 fund an aggregate of \$2.3 million to our defined benefit pension and OPEB plans during 2014, as discussed in further detail above.

The above table also does not reflect any amounts that 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 14 to our Consolidated Financial Statements.

#### **Commitments and contingencies**

We are subject to certain commitments and contingencies, as more fully described in Note 18 to our Consolidated Financial Statements or in Part I, Item 3 of this report. In addition to those legal proceedings described in Note 18 to our Consolidated Financial Statements, various legislation and administrative regulations have, from time to time, been proposed that seek to (i) impose various obligations on present and former manufacturers of lead pigment and lead-based paint (including us) with respect to asserted health concerns associated with the use of such products and (ii) effectively overturn court decisions in which we and other pigment manufacturers have been successful. Examples of such proposed legislation include bills which would permit civil liability for damages on the basis of market share, rather than requiring plaintiffs to prove that the defendant's product caused the alleged damage and bills which would revive actions barred by the statute of limitations. While no legislation or regulations have been enacted to date that are expected to have a material adverse effect on our consolidated financial position, results of operations or liquidity, enactment of such legislation could have such an effect.

#### **Off balance sheet financing arrangements**

Other than operating lease commitments disclosed in Note 18 to our Consolidated Financial Statements, we are not party to any material off-balance sheet financing arrangements.

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

**General** - We are exposed to market risk from changes in currency exchange rates, interest rates, raw materials and equity security prices.

**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 our equity securities at December 31, 2012 and 2013 was \$179.6 million and \$252.7 million, respectively. The potential change in the aggregate fair value of these investments, assuming a 10% change in prices, would be \$18.0 million and \$25.3 million at December 31, 2012 and 2013, respectively.

**Raw materials** - CompX will occasionally enter into short-term raw material arrangements to mitigate the impact of future increases in raw material costs. Otherwise, we generally do not have long-term supply agreements for our raw material requirements because either we believe the risk of unavailability of those raw materials is low and we believe the price to be stable or because long-term supply agreements for those materials are generally not available. We do not engage in commodity hedging programs.

**Other** - The above discussion and sensitivity analysis presented above include forward-looking statements of market risk which assume hypothetical changes in market prices. Actual future market conditions will likely differ materially from such assumptions. Accordingly, such forward-looking statements should not be considered to be projections of future events, gains or losses. Such forward-looking statements are subject to certain risks and uncertainties some of which are listed in "Business."

#### **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" (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 Robert D. Graham, our Vice Chairman of the Board, President and 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, 2013. Based upon their evaluation, these executive officers have concluded that our disclosure controls and procedures are effective as of December 31, 2013.

**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
- 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 include a management report on internal control over financial reporting in the Annual Report on Form 10-K for the year ended December 31, 2013. 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, 2013 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 in 1992 (commonly referred to as the “1992 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, 2013.

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, 2013, 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 (NYSE), certifying our compliance with the corporate governance listing standards of the NYSE. During 2013, our chief executive officer filed such annual certification with the NYSE. The 2013 certification was unqualified.

Our chief executive officer and chief financial officer are also required to, among other things, quarterly file certifications with the SEC regarding the quality of our public disclosures, as required by Section 302 of the Sarbanes-Oxley Act of 2002. We have filed the certifications for the quarter ended December 31, 2013 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 2013 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 2014 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 2014 proxy statement.

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

The information required by this Item is incorporated by reference to our 2014 proxy statement. See also Note 16 to our Consolidated Financial Statements.

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

The Information required by this Item is incorporated by reference to our 2014 proxy statement.

### PART IV

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

(a) and (c) Financial Statements

**The Registrant**

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

**50%-or-less persons**

The consolidated financial statements of Kronos (30%-owned at December 31, 2013) are incorporated by reference in Exhibit 99.1 of this Annual Report pursuant to Rule 3-09 of Regulation S-X. Management's Report on Internal Control Over Financial Reporting of Kronos is not included as part of Exhibit 99.1. The Registrant is not required to provide any other consolidated financial statements pursuant to Rule 3-09 of Regulation S-X.

(b) Exhibits

We have included as exhibits 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 cost 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, 2013 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 15, 2013, upon request. Such requests should be directed to the attention of our Corporate Secretary at our corporate offices located at 5430 LBJ Freeway, Suite 1700, Dallas, Texas 75240.

Item No.	Exhibit Index
3.1	Certificate of Amended and Restated Certificate of Incorporation dated May 22, 2008 - incorporated by reference to Exhibit 1 to the Registrant's Proxy Statement on Schedule 14A (File No. 001-00640) for the annual meeting held on May 21, 2008.
3.2	Amended and Restated Bylaws of NL Industries, Inc. as of May 23, 2008 - incorporated by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K (File No. 001-00640) filed with the U.S. Securities and Exchange Commission on May 23, 2008.
10.1	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 Registrant's Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 1985.
10.2	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 the Registrant's Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.3	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 the Registrant's Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.4	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 the Registrant's Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.5	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 the Registrant's Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 1995.
10.6	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 the Registrant's Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.7	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 the Registrant's Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 1995.
10.8	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 the Registrant's Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.9	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 the Registrant's Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended September 30, 1993.
10.10	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).
10.11	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).

Item No.	Exhibit Index
10.12	Euro 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.
10.13	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 10.8 to the Registration Statement on Form S-1 of Kronos Worldwide, Inc. (File No. 333-119639).
10.14	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 (File No. 333-100047) of Kronos International, Inc. for the year ended December 31, 2009.
10.15	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 (File No. 333-100047) of Kronos International, Inc. for the year ended December 31, 2009.
10.16	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 (File No. 333-100047) of Kronos International, Inc. for the year ended December 31, 2009.
10.17	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).
10.18	Sixth Amendment Agreement Relating to a Facility Agreement dated June 25, 2002 executed as of September 27, 2012 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, Titania AS, Kronos Norge AS, and Kronos Denmark ApS - incorporated by reference to Exhibit 10.1 to the Kronos Worldwide, Inc. Current Report on Form 8-K (File No. 001-31763) filed with the U.S. Securities and Exchange Commission on October 3, 2012.
10.19	Credit Agreement, dated June 13, 2012, by and among Kronos Worldwide, Inc. and Wells Fargo Bank, National Association - incorporated by reference to Exhibit 10.1 to the Kronos Worldwide, Inc. Current Report on Form 8-K (File No. 001-31763) dated June 13, 2012 and filed on June 18, 2012.

Item No.	Exhibit Index
10.20	Guaranty and Security Agreement, dated June 13, 2012, among Kronos Worldwide, Inc., Kronos Louisiana, Inc., Kronos (US), Inc., Kronos International, Inc. and Wells Fargo Bank, National Association - incorporated by reference to Exhibit 10.2 to the Current Report on Form 8-K (File No. 001-31763) of Kronos Worldwide, Inc. dated June 13, 2012 and filed on June 18, 2012.
10.21	Intercreditor Agreement dated as of June 18, 2012, by and between Wells Fargo Capital Finance and Wells Fargo Bank, National Association, and acknowledged by Kronos Worldwide, Inc., Kronos Louisiana, Inc. and Kronos (US), Inc. - incorporated by reference to Exhibit 10.3 to the Current Report on Form 8-K/A (File No. 001-31763) of Kronos Worldwide, Inc. dated June 13, 2012 and filed on June 19, 2012.
10.22	Credit Agreement, dated February 18, 2014, by and among Kronos Worldwide, Inc. and Deutsche Bank AG New York Branch - incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K (File No. 001-31763) of Kronos Worldwide, Inc. dated February 18, 2014 and filed on February 18, 2014.
10.23	Guaranty and Security Agreement, dated February 18, 2014, among Kronos Worldwide, Inc., Kronos Louisiana, Inc., Kronos (US), Inc., Kronos International, Inc. and Deutsche Bank AG New York Branch - incorporated by reference to Exhibit 10.2 to the Current Report on Form 8-K (File No. 001-31763) of Kronos Worldwide, Inc. dated February 18, 2014 and filed on February 18, 2014.
10.24	Intercreditor Agreement dated as of February 18, 2014, by and between Wells Fargo Capital Finance and Deutsche Bank AG New York Branch, and acknowledged by Kronos Worldwide, Inc., Kronos Louisiana, Inc. and Kronos (US), Inc. - incorporated by reference to Exhibit 10.3 to the Current Report on Form 8-K (File No. 001-31763) of Kronos Worldwide, Inc. dated February 18, 2014 and filed on February 18, 2014.
10.25	\$50,000,000 Credit Agreement between CompX International Inc. and Wachovia Bank, National Association, as Agent and various lending institutions dated December 23, 2005 - incorporated by reference to Exhibit 10.9 of CompX International Inc.'s Form 10-K (File No. 1-13905) for the year ended December 31, 2009.
10.26	First Amendment to Credit Agreement dated as of October 16, 2007 among CompX International Inc., CompX Security Products, Inc., CompX Precision Slides Inc., CompX Marine Inc., Custom Marine Inc., Livorsi Marine Inc., Wachovia Bank, National Association for itself and as administrative agent for Compass Bank and Comerica Bank - incorporated by reference to Exhibit 10.3 of CompX International Inc.'s Form 8-K (File No. 1-13905) filed on October 22, 2007.
10.27	Second Amendment to Credit Agreement dated as of January 15, 2009 among CompX International Inc., CompX Security Products Inc., CompX Precision Slides Inc., CompX Marine Inc., Custom Marine Inc., Livorsi Marine Inc., Wachovia Bank, National Association for itself and as administrative agent for Compass Bank and Comerica Bank - incorporated by reference to Exhibit 10.1 of CompX International Inc.'s Form 8-K (File No. 1-13905) filed on January 21, 2009.
10.28	Third Amendment to Credit Agreement dated as of September 21, 2009 by and among CompX International Inc., CompX Security Products Inc., CompX Precision Slides Inc., CompX Marine Inc., Custom Marine Inc., Livorsi Marine Inc., Wachovia Bank, National Association and Comerica Bank - incorporated by reference to Exhibit 10.1 of CompX International Inc.'s Form 8-K (File No. 1-13905) filed on September 24, 2009.
10.29	Fourth Amendment to Credit Agreement dated as of May 10, 2010 among CompX International Inc., CompX Security Products Inc., CompX Precision Slides Inc., CompX Marine Inc., Custom Marine Inc., Livorsi Marine, Inc., Wells Fargo Bank, National Association, as successor-by-merger to Wachovia Bank, National Association and Comerica Bank - incorporated by reference to Exhibit 10.10 of CompX International Inc.'s Form 8-K filed on May 19, 2010 (File No. 1-13905).

Item No.	Exhibit Index
10.30	Fifth Amendment to Credit Agreement dated as of July 26, 2011 among CompX International Inc., CompX Security Products Inc., CompX Precision Slides Inc., CompX Marine Inc., Custom Marine Inc., Livorsi Marine, Inc., Wells Fargo Bank, National Association, and Comerica Bank - incorporated by reference to Exhibit 10.1 of CompX International Inc.'s Form 10-Q filed on August 2, 2011 (File No. 1-13905).
10.31	Amended and Restated Credit Agreement dated as of January 13, 2012 between CompX International Inc. and Wells Fargo Bank, National Association - incorporated by reference to Exhibit 10.1 of CompX International Inc.'s Current Report on Form 8-K filed on January 17, 2012 (File No. 1-13905).
10.32	Credit Agreement Termination Letter dated December 29, 2012 - incorporated by reference to Exhibit 10.2 of of the CompX International Inc.'s Form 8-K filed on January 4, 2013 (File No. 1-13905).
10.33	Securities Purchase Agreement by and among CompX International Inc., CompX Asia Holding Corporation, Knape & Vogt Canada Inc. and GSlide Corporation dated December 28, 2012 - incorporated by reference to Exhibit 10.1 of the CompX International Inc.'s Form 8-K filed on January 4, 2013 (File No. 1-13905).
10.34 *	Kronos Worldwide, Inc. 2012 Director Stock Plan - incorporated by reference to Exhibit 4.4 of Kronos Worldwide, Inc. Registration statement on Form S-8 (File No. 333-113425). Filed on May 31, 2012.
10.35 *	CompX International Inc. 2012 Director Stock Plan - incorporated by reference to Exhibit 10.2 of CompX International Inc.'s Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 2012.
10.36 *	NL Industries, Inc. 2012 Director Stock Plan - incorporated by reference to Exhibit 4.4 of Registrant's statement on Form S-8 (File No. 001-00640) Filed on May 31, 2012.
10.37	Insurance Sharing Agreement, effective January 1, 1990, by and between the Registrant, NL Insurance, Ltd. (an indirect subsidiary of Tremont Corporation) and Baroid Corporation - incorporated by reference to Exhibit 10.20 to the Registrant's Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 1991.
10.38	Insurance Sharing Agreement dated October 30, 2003 by and among CompX International Inc., Contran Corporation, Keystone Consolidated Industries, Inc., Kronos Worldwide, Inc., Titanium Metals Corp., Valhi, Inc. and NL Industries, Inc. - incorporated by reference to Exhibit 10.48 to the Registrant's Annual Report on Form 10-K (File No. 001-00640) for the year ended December 31, 2003.
10.39	Intercorporate Services Agreement by and between Contran Corporation and Kronos Worldwide, Inc. - incorporated by reference to Exhibit 10.1 to the Kronos Worldwide, Inc. Quarterly Report on Form 10-Q (File No. 001-31763) for the quarter ended March 31, 2004.
10.40	Intercorporate Services Agreement between CompX International Inc. and Contran Corporation effective as of January 1, 2004 - incorporated by reference to Exhibit 10.2 to the CompX International Inc. Annual Report on Form 10-K (File No. 1-13905) for the year ended December 31, 2003.
10.41	Intercorporate Services Agreement by and between Contran Corporation and NL Industries, Inc. effective as of January 1, 2004 - incorporated by reference to Exhibit 10.1 to the NL Industries, Inc. Quarterly Report on Form 10-Q (File No. 001-00640) for the quarter ended March 31, 2004.
10.42	Amended and Restated Tax Agreement between Valhi, Inc. and Kronos Worldwide, Inc. - incorporated by reference to Exhibit 10.1 to the Annual Report on Form 10-K of Kronos Worldwide, Inc. (File No. 001-31763) for the year ended December 31, 2012.

Item No.	Exhibit Index
10.43	Amended and Restated Tax Agreement among NL Industries, Inc., Valhi, Inc. and Contran Corporation effective December 1, 2012 incorporated by reference to Exhibit 10.40 to the annual Report on Form 10-K (File No. 001-00640) of the Registrant for the year ended December 31, 2012.
10.44	Sixth Amended and Restated Unsecured Revolving Demand Promissory Note dated December 31, 2013 in the original principal amount of \$100.0 million executed by Valhi, Inc. and payable to the order of Kronos Worldwide, Inc. incorporated by reference to Exhibit 10.27 to the Current Report on Form 10-K to the Kronos Worldwide, Inc.
10.45 **	Fourth Amended and Restated Unsecured Revolving Demand Promissory Note dated December 31, 2013 in the original principal amount of \$40.0 million executed by NL Industries, Inc. and payable to the order of Valhi, Inc.
10.46	Unsecured Term Loan Promissory Note dated February 15, 2013 in the original principal amount of \$290 million executed by Kronos Worldwide, Inc. and payable to the order of Contran Corporation - incorporated by reference to Exhibit 10.2 of the Current Report on Form 8-K (File No. 001-31763) of Kronos Worldwide, Inc. dated February 15, 2013.
10.47	Restated and Amended Agreement by and between Richards Bay Titanium (Proprietary) Limited (acting through its sales agent Rio Tinto Iron & Titanium Limited) and Kronos (US), Inc. effective January 1, 2012 - incorporated by reference to Exhibit 10.1 to the Quarterly Report on Form 10-Q of Kronos Worldwide, Inc. (File No. 001-31763) for the quarter ended March 31, 2013.
21.1 **	Subsidiaries of the Registrant.
23.1 **	Consent of PricewaterhouseCoopers LLP with respect to NL's consolidated financial statements.
23.2 **	Consent of PricewaterhouseCoopers LLP with respect to Kronos' consolidated financial statements.
31.1 **	Certification
31.2 **	Certification
32.1 **	Certification
99.1	Consolidated financial statements of Kronos Worldwide, Inc. - incorporated by reference to Kronos' Annual Report on Form 10-K (File No. 1-31763) for the year ended December 31, 2013.
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

\* 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.

NL Industries, Inc.  
(Registrant)

By: /s/ Robert D. Graham  
Robert D. Graham, March 12, 2014  
(Vice Chairman, President 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/ Steven L. Watson  
Steven L. Watson, March 12, 2014  
(Chairman of the Board)

/s/ Robert D. Graham  
Robert D. Graham, March 12, 2014  
(Vice Chairman, President and Chief Executive Officer)

/s/ Thomas P. Stafford  
Thomas P. Stafford, March 12, 2014  
(Director)

/s/ C. H. Moore, Jr.  
C. H. Moore, Jr., March 12, 2014  
(Director)

/s/ Loretta J. Feehan  
Loretta J. Feehan, March 12, 2014  
(Director)

/s/ Terry N. Worrell  
Terry N. Worrell, March 12, 2014  
(Director)

/s/ Tim C. Hafer  
Tim C. Hafer, March 12, 2014  
(Vice President and Controller,  
Principal Accounting Officer)

/s/ Gregory M. Swalwell  
Gregory M. Swalwell, March 12, 2014  
(Executive Vice President and  
Chief Financial Officer, Principal Financial Officer)



**NL Industries, Inc.**  
**Annual Report on Form 10-K**  
**Items 8, 15(a) and 15(c)**  
**Index of Financial Statements**

<b>Financial Statements</b>	<b>Page</b>
<a href="#"><u>Report of Independent Registered Public Accounting Firm</u></a>	F-2
<a href="#"><u>Consolidated Balance Sheets - December 31, 2012 and 2013</u></a>	F-3
<a href="#"><u>Consolidated Statements of Operations - Years ended December 31, 2011, 2012 and 2013</u></a>	F-5
<a href="#"><u>Consolidated Statements of Comprehensive Income (Loss) - Years ended December 31, 2011, 2012 and 2013</u></a>	F-7
<a href="#"><u>Consolidated Statements of Stockholders' Equity - Years ended December 31, 2011, 2012 and 2013</u></a>	F-8
<a href="#"><u>Consolidated Statements of Cash Flows - Years ended December 31, 2011, 2012 and 2013</u></a>	F-9
<a href="#"><u>Notes to Consolidated Financial Statements</u></a>	F-11

All financial statement schedules have been omitted either because they are not applicable or required, or the information that would be required to be included is disclosed in the Notes to the Consolidated Financial Statements.

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Stockholders and Board of Directors of NL Industries, 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 NL Industries, Inc. and its subsidiaries at December 31, 2012 and 2013 and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2013 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2013, based on criteria established in *Internal Control - Integrated Framework (1992)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these financial statements, 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 and on the Company's internal control over financial reporting based on our audits (which were integrated audits in 2012 and 2013). 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.

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 12, 2014

**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS**  
(In thousands, except per share data)

ASSETS	December 31,	
	2012	2013
<b>Current assets:</b>		
Cash and cash equivalents	\$ 77,987	\$ 52,609
Restricted cash and cash equivalents	5,354	3,343
Accounts and other receivables, net	12,049	10,517
Receivable from affiliates	-	115
Inventories, net	11,223	13,235
Prepaid expenses and other	1,769	809
Deferred income taxes	4,271	3,786
	112,653	84,414
<b>Other assets:</b>		
Marketable securities	179,662	252,677
Investment in Kronos Worldwide, Inc.	323,128	284,523
Goodwill	27,156	27,156
Other assets, net	3,854	2,707
Deferred income taxes	-	19
	533,800	567,082
<b>Property and equipment:</b>		
Land	5,138	5,138
Buildings	20,791	20,793
Equipment	59,010	58,195
Construction in progress	1,442	2,588
	86,381	86,714
Less accumulated depreciation	52,052	52,385
	34,329	34,329
<b>Total assets</b>	<b>\$ 680,782</b>	<b>\$ 685,825</b>

**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS (CONTINUED)**  
(In thousands, except per share data)

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Current maturities of long-term debt	\$ 1,000	\$ -
Accounts payable	5,363	3,006
Accrued and other current liabilities	12,221	11,150
Accrued environmental remediation and related costs	5,667	4,859
Payable to affiliates	528	49
Income taxes	6	6
	<u>24,785</u>	<u>19,070</u>
Noncurrent liabilities:		
Long-term debt	17,480	-
Accrued pension costs	13,747	5,453
Accrued postretirement benefits (OPEB) costs	3,861	3,268
Accrued environmental remediation and related costs	42,339	108,777
Deferred income taxes	171,915	161,933
Other	18,572	18,329
	<u>267,914</u>	<u>297,760</u>
Equity:		
NL stockholders' equity:		
Preferred stock, no par value; 5,000 shares authorized; none issued	-	-
Common stock, \$.125 par value; 150,000 shares authorized; 48,669 and 48,674 shares issued and outstanding	6,083	6,084
Additional paid-in capital	300,227	300,223
Retained earnings	163,758	84,089
Accumulated other comprehensive loss	(95,253)	(35,016)
	<u>374,815</u>	<u>355,380</u>
Total NL stockholders' equity	<u>374,815</u>	<u>355,380</u>
Noncontrolling interest in subsidiary	13,268	13,615
	<u>388,083</u>	<u>368,995</u>
Total equity	<u>388,083</u>	<u>368,995</u>
Total liabilities and equity	<u>\$ 680,782</u>	<u>\$ 685,825</u>

Commitments and contingencies (Notes 14 and 18)

See accompanying Notes to Consolidated Financial Statements.

**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF OPERATIONS**  
(In thousands, except per share data)

	Years ended December 31,		
	2011	2012	2013
Net sales	\$ 79,815	\$ 83,196	\$ 92,045
Cost of sales	55,708	58,869	64,471
Gross margin	24,107	24,327	27,574
Selling, general and administrative expense	16,560	17,747	18,246
Other operating income (expense):			
Insurance recoveries	16,942	3,311	9,427
Litigation settlement gain	-	14,964	-
Assets held for sale write-down	(1,135)	(1,162)	-
Other income, net	952	3,612	29
Goodwill impairment	-	(6,406)	-
Corporate expense and other, net	(24,973)	(28,958)	(87,042)
Loss from operations	(667)	(8,059)	(68,258)
Equity in earnings (loss) of Kronos Worldwide, Inc.	97,577	66,437	(31,007)
Other income (expense):			
Securities transaction gains, net	-	16,567	11
Interest and dividends	2,966	3,200	2,927
Interest expense	(1,541)	(1,023)	(127)
Income (loss) from continuing operations before taxes	98,335	77,122	(96,454)
Income tax expense (benefit)	19,751	19,933	(41,911)
Income (loss) from continuing operations	78,584	57,189	(54,543)
Income from discontinued operations, net of tax	4,071	21,893	-
Net income (loss)	82,655	79,082	(54,543)
Noncontrolling interest in net income of subsidiary	998	4,546	790
Net income (loss) attributable to NL stockholders	<u>\$ 81,657</u>	<u>\$ 74,536</u>	<u>\$ (55,333)</u>

**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF OPERATIONS (CONTINUED)**  
(In thousands, except per share data)

	Years ended December 31,		
	2011	2012	2013
Amounts attributable to NL stockholders:			
Income (loss) from continuing operations	\$ 78,128	\$ 56,730	\$ (55,333)
Income from discontinued operations	3,529	17,806	-
Net income (loss) attributable to NL stockholders	<u>\$ 81,657</u>	<u>\$ 74,536</u>	<u>\$ (55,333)</u>
Basic and diluted net income (loss) per share:			
Continuing operations	\$ 1.61	\$ 1.16	\$ (1.14)
Discontinued operations	.07	.37	-
Net income (loss) per share	<u>\$ 1.68</u>	<u>\$ 1.53</u>	<u>\$ (1.14)</u>
Cash dividends per share	<u>\$ .50</u>	<u>\$ .50</u>	<u>\$ .50</u>
Weighted average shares used in the calculation of net income (loss) per share	<u>48,658</u>	<u>48,667</u>	<u>48,672</u>

See accompanying Notes to Consolidated Financial Statements.

**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)**  
(In thousands)

	Years ended December 31,		
	2011	2012	2013
Net income (loss)	\$ 82,655	\$ 79,082	\$ (54,543)
Other comprehensive income (loss), net of tax:			
Marketable securities	118,304	(81,032)	48,750
Currency translation	(6,105)	(3,606)	1,349
Defined benefit pension plans	(7,944)	(6,924)	9,758
Other postretirement benefit plans	(248)	(449)	380
Total other comprehensive income (loss), net	104,007	(92,011)	60,237
Comprehensive income (loss)	186,662	(12,929)	5,694
Comprehensive income attributable to noncontrolling interest	902	3,064	790
Comprehensive income (loss) attributable to NL stockholders	\$ 185,760	\$ (15,993)	\$ 4,904

See accompanying Notes to Consolidated Financial Statements.

**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY**  
**Years ended December 31, 2011, 2012 and 2013**  
**(In thousands, except per share data)**

	Common stock	Additional paid-in capital	Retained earnings	Accumulated other comprehensive income (loss)	Noncontrolling interest in subsidiary	Total equity
Balance at December 31, 2010	\$ 6,078	\$ 299,469	\$ 56,229	\$ (108,827)	\$ 10,906	\$ 263,855
Net income	-	-	81,657	-	998	82,655
Other comprehensive income (loss), net of tax	-	-	-	104,103	(96)	104,007
Issuance of common stock	4	560	-	-	18	582
Cash dividends - \$.50 per share	-	-	(24,331)	-	(814)	(25,145)
Other, net	-	38	-	-	-	38
Balance at December 31, 2011	6,082	300,067	113,555	(4,724)	11,012	425,992
Net income	-	-	74,536	-	4,546	79,082
Other comprehensive loss, net of tax	-	-	-	(90,529)	(1,482)	(92,011)
Issuance of common stock	1	74	-	-	-	75
Cash dividends - \$.50 per share	-	-	(24,333)	-	(818)	(25,151)
Other, net	-	86	-	-	10	96
Balance at December 31, 2012	6,083	300,227	163,758	(95,253)	13,268	388,083
Net loss	-	-	(55,333)	-	790	(54,543)
Other comprehensive income, net of tax	-	-	-	60,237	-	60,237
Issuance of common stock	1	58	-	-	-	59
Cash dividends - \$.50 per share	-	-	(24,336)	-	(451)	(24,787)
Other, net	-	(62)	-	-	8	(54)
Balance at December 31, 2013	<u>\$ 6,084</u>	<u>\$ 300,223</u>	<u>\$ 84,089</u>	<u>\$ (35,016)</u>	<u>\$ 13,615</u>	<u>\$ 368,995</u>

See accompanying Notes to Consolidated Financial Statements.



**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
(In thousands)

	Years ended December 31,		
	2011	2012	2013
<b>Cash flows from operating activities:</b>			
Net income (loss)	\$ 82,655	\$ 79,082	\$ (54,543)
Depreciation and amortization	6,829	5,826	3,335
Deferred income taxes	21,002	27,433	(41,891)
Provision for inventory reserves	255	454	228
Benefit plan expense greater (less) than cash funding:			
Defined benefit pension plans	(245)	209	(495)
Other postretirement benefit plans	(564)	(640)	(729)
Equity in (earnings) loss of Kronos Worldwide, Inc.	(97,577)	(66,437)	31,007
Distributions from Kronos Worldwide, Inc.	37,861	21,132	21,132
Net gains from:			
Real estate-related litigation settlement	-	(14,964)	-
Securities transaction	-	(16,567)	(11)
Sale of business unit	-	(23,674)	-
Reversal of accrued contingent consideration	-	(778)	-
Goodwill impairment	-	6,406	-
Assets held for sale write-down	1,135	1,162	-
Other, net	339	(3,103)	81
Change in assets and liabilities:			
Accounts and other receivables, net	57	(476)	(1,461)
Inventories, net	(439)	174	(2,240)
Prepaid expenses and other	(126)	(1,871)	166
Accounts payable and accrued liabilities	(4,403)	1,550	(3,347)
Income taxes	463	(1,450)	-
Accounts with affiliates	1,087	729	(369)
Accrued environmental remediation and related costs	1,237	6,369	65,630
Other noncurrent assets and liabilities, net	(1,332)	(2,566)	(1,588)
<b>Net cash provided by operating activities</b>	<b>48,234</b>	<b>18,000</b>	<b>14,905</b>
<b>Cash flows from investing activities:</b>			
Capital expenditures	(3,276)	(4,564)	(3,541)
Acquisition, net of cash acquired	(4,752)	-	-
Proceeds from real estate-related litigation settlement	-	15,603	-
Collection of promissory notes receivable	15,000	-	3,034
Change in restricted cash equivalents, net	2,524	(2,159)	2,018
Net proceeds from disposal of:			
Assets held for sale	-	3,555	1,559
Marketable securities	239	24,146	272
Property, plant and equipment and other assets	184	3,290	5
Proceeds from disposal of operations	-	58,027	-
Cash of disposed business unit	-	(5,426)	-
Purchase of marketable securities	(104)	(227)	(261)
Other	-	-	(102)
<b>Net cash provided by investing activities</b>	<b>9,815</b>	<b>92,245</b>	<b>2,984</b>

**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS (CONTINUED)**  
(In thousands)

	Years ended December 31,		
	2011	2012	2013
Cash flows from financing activities:			
Cash dividends paid	\$ (24,331)	\$ (24,333)	\$ (24,336)
Distributions to noncontrolling interests in subsidiary	(814)	(818)	(451)
Proceeds from issuance of stock:			
NL common stock	342	-	-
CompX common stock	58	-	-
Indebtedness:			
Borrowings	31,494	40,550	-
Repayments	(68,298)	(59,406)	(18,480)
Deferred financing costs paid	-	(79)	-
Other	4	-	-
Net cash used in financing activities	<u>(61,545)</u>	<u>(44,086)</u>	<u>(43,267)</u>
Net change for the year	<u>\$ (3,496)</u>	<u>\$ 66,159</u>	<u>\$ (25,378)</u>
Cash and cash equivalents - net change from:			
Operating, investing and financing activities	\$ (3,496)	\$ 66,159	\$ (25,378)
Effect of exchange rate changes on cash	(313)	176	-
Cash and cash equivalents at beginning of year	<u>15,461</u>	<u>11,652</u>	<u>77,987</u>
Cash and cash equivalents at end of year	<u>\$ 11,652</u>	<u>\$ 77,987</u>	<u>\$ 52,609</u>
Supplemental disclosures:			
Cash paid (received) for:			
Interest	\$ 2,430	\$ 982	\$ 222
Income taxes, net	1,737	2,525	302
Non-cash investing and financing activities - accrual for capital expenditures	\$ 178	\$ 484	\$ (313)

See accompanying Notes to Consolidated Financial Statements.

**NL INDUSTRIES, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**December 31, 2013**

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

**Nature of our business** - NL Industries, Inc. (NYSE: NL) is primarily a holding company. We operate in the component products industry through our majority-owned subsidiary, CompX International Inc. (NYSE MKT: CIX). We operate in the chemicals industry through our noncontrolling interest in Kronos Worldwide, Inc. (NYSE: KRO).

**Organization** - At December 31, 2013, (i) Valhi, Inc. (NYSE: VHI) held approximately 83% of our outstanding common stock and (ii) Contran Corporation and its subsidiaries own an aggregate of 94% of Valhi's outstanding common stock. Substantially all of Contran's outstanding voting stock is held by family trusts established for the benefit of Lisa K. Simmons and Serena Simmons Connelly, daughters of Harold C. Simmons, and their children (for which Ms. Lisa Simmons and Ms. Connelly are co-trustees) or is held directly by Ms. Lisa Simmons and Ms. Connelly or persons or entities related to them, including their step-mother Annette C. Simmons, the widow of Mr. Simmons. Prior to his death in December 2013, Mr. Simmons served as sole trustee of the family trusts. Under a voting agreement entered into in February 2014 by all of the voting stockholders of Contran, the size of the board of directors of Contran was fixed at five members, each of Ms. Lisa Simmons, Ms. Connelly and Ms. Annette Simmons have the right to designate one of the five members of the Contran board and the other two members of the Contran board must consist of members of Contran management. Ms. Lisa Simmons, Ms. Connelly, and Ms. Annette Simmons each serve as members of the Contran board. The voting agreement expires in February 2017 (unless Ms. Lisa Simmons, Ms. Connelly and Ms. Annette Simmons otherwise mutually agree), and the ability of Ms. Lisa Simmons, Ms. Connelly, and Ms. Annette Simmons to each designate one member of the Contran board is dependent upon each of their continued beneficial ownership of at least 5% of the combined voting stock of Contran. Consequently, Ms. Lisa Simmons, Ms. Connelly and Ms. Annette Simmons may be deemed to control Contran, Valhi and us.

Unless otherwise indicated, references in this report to "we," "us" or "our" refer to NL Industries, Inc. and its subsidiaries and affiliate, Kronos, 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 our assets and liabilities and disclosures of contingent assets and liabilities at each balance sheet date and the reported amounts of our revenues and expenses during each reporting period. Actual results may differ significantly from previously-estimated amounts under different assumptions or conditions.

**Principles of consolidation** - Our consolidated financial statements include the financial position, results of operations and cash flows of NL and our wholly-owned and majority-owned subsidiaries, including CompX. We account for the 13% of CompX stock we do not own as a noncontrolling interest. We eliminate all material intercompany accounts and balances. Changes in ownership of our wholly-owned and majority-owned subsidiaries are accounted for as equity transactions with no gain or loss recognized on the transaction unless there is a change in control.

**Currency translation** - The financial statements of Kronos' non-U.S. subsidiaries (and prior to December 2012, our non-U.S. consolidated subsidiaries) are translated to U.S. dollars. The functional currency of our non-U.S. subsidiaries is generally the local currency of their country. Accordingly, we translate the assets and liabilities at year-end rates of exchange, while we translate their 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, net of related deferred income taxes and noncontrolling interest. We recognize currency transaction gains and losses in income. In December 2012 we sold CompX's Furniture Components business, which comprised all of CompX's consolidated subsidiaries whose functional currency was not the U.S. dollar. See Note 2.

**Cash and cash equivalents** - We classify bank time deposits and government and commercial notes and bills with original maturities of three months or less as cash equivalents.

**Restricted cash equivalents** - We classify 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 9.

**Marketable securities and securities transactions** - We carry marketable securities at fair value. 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, net of related deferred income taxes. We base realized gains and losses upon the specific identification of securities sold. See Note 6.

**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 an 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 and depreciation, shipping and handling, and salaries and benefits associated with our manufacturing process. We allocate fixed manufacturing overhead 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.

**Investment in Kronos Worldwide, Inc.** - We account for our 30% non-controlling interest in Kronos by the equity method. See Note 7.

**Goodwill and other intangible assets; amortization expense** - Goodwill represents the excess of cost over fair value of individual net assets acquired in business combinations. Goodwill is not subject to periodic amortization. We amortize other intangible assets, consisting principally of certain acquired patents and tradenames, using the straight-line method over their estimated lives and state them net of accumulated amortization. We evaluate goodwill for impairment annually, or when circumstances indicate the carrying value may not be recoverable. In September 2011, the Financial Accounting Standards Board issued ASU No. 2011-08, which provided new guidance on testing goodwill for impairment. The new guidance allows an entity to first assess qualitative factors to determine whether it is necessary to perform the two-step quantitative goodwill impairment test. An entity is no longer required to calculate the fair value of a reporting unit unless the entity determines, based on a qualitative assessment considering the totality of relevant events and circumstances, that it is more likely than

not that its fair value of the reporting unit is less than its carrying amount. We adopted this accounting standard in the third quarter of 2013. See Note 8.

**Property and equipment; depreciation expense** - We state property and equipment, including purchased computer software for internal use, at cost. We compute depreciation of property and equipment for financial reporting purposes principally by the straight-line method over the estimated useful lives of 15 to 40 years for buildings and 3 to 20 years for equipment and software. We use accelerated depreciation methods for income tax purposes, as permitted. Depreciation expense was \$3.6 million in 2011, \$3.2 million in 2012, and \$3.3 million in 2013. Upon sale or retirement of an asset, the related cost and accumulated depreciation are removed from the accounts and any gain or loss is recognized in income currently. Expenditures for maintenance, repairs and minor renewals are expensed; expenditures for major improvements are capitalized.

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 impairment tests by comparing the estimated future undiscounted cash flows associated with the asset to the asset's net carrying value to determine whether impairment exists.

**Employee benefit plans** - Accounting and funding policies for our retirement and post retirement benefits other than pensions (OPEB) plans are described in Note 15.

**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 unitary state income tax returns with Contran in qualifying U.S. 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 the Contran Tax Group for all periods in which we are included in the Contran Tax Group. See Note 18. We are party to a tax sharing agreement with Valhi and Contran pursuant to which we generally compute our provision for income taxes on a separate-company basis and we make payments to or receive payments from Valhi in amounts that 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. Refunds are limited to amounts previously paid under the Contran Tax Agreement unless the individual company was entitled to a refund from the U.S. Internal Revenue Service on a separate company basis. The separate company provisions and payments are computed using the tax elections made by Contran. We received net income tax refunds from Valhi of \$.4 million in 2011 and \$.2 million in 2012, and we made net payments to Valhi for income taxes of \$.3 million in 2013.

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 our 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 permanently reinvested. In addition, we recognize deferred income taxes with respect to the excess of the financial reporting carrying amount over the income tax basis of our direct investment in Kronos common stock because the exemption under GAAP to avoid recognition of such deferred income taxes is not available to us. In December 2012, we sold CompX's Furniture Components operations, which comprised all of CompX's non-U.S. operating subsidiaries. See Note 2. 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 which we believe do not meet the more-likely-than-not recognition criteria.

We record a reserve for uncertain tax positions where we believe 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 14.

**Environmental remediation costs** - We record liabilities related to environmental remediation obligations when estimated future expenditures are probable and reasonably estimable. We adjust these accruals as further information becomes available to us or as circumstances change. We generally do not discount estimated future

expenditures to present value. We recognize any recoveries of remediation costs from other parties when we deem their receipt probable. We expense any environmental remediation related legal costs as incurred. At December 31, 2012 and 2013, we had not recognized any receivables for recoveries. See Note 18.

**Net sales** - We record sales when products are shipped and title and other risks and rewards of ownership have passed to the customer. Amounts charged to customers for shipping and handling costs are not material. We state sales net of price, early payment and distributor discounts and volume rebates. We report taxes 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 and use taxes) on a net basis (meaning we do not recognize these taxes in either our revenues or in our costs and expenses).

**Selling, general and administrative expenses; advertising costs; research and development costs** - Selling, general and administrative expenses include costs related to marketing, sales, distribution, research and development, and administrative functions such as accounting, treasury and finance, as well as costs for salaries and benefits, travel and entertainment, promotional materials and professional fees. Advertising costs related to continuing operations, expensed as incurred, were approximately not material in each of 2011, 2012 and 2013. Research, development and certain sales technical support costs related to continuing operations, expensed as incurred, were not material in 2011, 2012 or 2013.

**Corporate expenses** - Corporate expenses include environmental, legal and other costs attributable to formerly-owned business units.

**Earnings per share** - Basic and diluted earnings per share of common stock is based upon the weighted average number of our common shares actually outstanding during each period. A nominal number of stock options were outstanding during 2011 the dilutive effect of which was not material.

**Note 2 - Discontinued operations:**

In December 2012, we completed the sale of CompX's Furniture Components operations for proceeds, net of expenses, of approximately \$58.0 million in cash. We recognized a pre-tax gain of \$23.7 million on the disposal of these operations (\$14.5 million, or \$.30 per basic and diluted share, net of income taxes and noncontrolling interest in CompX, as shown in the table below). Such pre-tax gain includes income of \$10.4 million associated with the reclassification out of accumulated other comprehensive income related to currency translation. The income taxes associated with the pre-tax gain on disposal is less than the U.S. statutory income tax rate of 35% principally due to the utilization of foreign tax credits, the benefit of which had previously not been recognized under the "more-likely-than-not" recognition criteria. The Furniture Components operations primarily sold products with lower average margins and higher commodity raw material content than other operations of CompX's business. We believe disposing of CompX's Furniture Components operations has enabled us to focus more effort on continuing to develop the remaining portion of CompX's business that we believe has greater opportunity for higher returns and with less volatility relating to changes in the cost of commodity raw materials.

Selected financial data for the operations of the disposed Furniture Components business is presented below:

	<b>Years ended December 31,</b>	
	<b>2011</b>	<b>2012</b>
<b>(In thousands)</b>		
Net sales	\$ 59,021	\$ 60,722
Income from operations	<u>\$ 9,061</u>	<u>\$ 7,364</u>
Income from discontinued operations:		
Income before taxes	\$ 9,045	\$ 7,284
Income tax expense	4,974	3,484
Income from discontinued operations, net of tax	<u>4,071</u>	<u>3,800</u>
Gain on sale of discontinued operations:		
Gain on sale	-	23,674
Income tax expense	-	5,581
Gain on sale discontinued operations, net of tax	<u>-</u>	<u>18,093</u>
Total discontinued operations, net of tax	<u>4,071</u>	<u>21,893</u>
Noncontrolling interest in income from discontinued operations, net of tax	542	494
Noncontrolling interest in gain on sale of discontinued operations, net of tax	-	3,593
Total noncontrolling interest in discontinued operations, net of tax	<u>542</u>	<u>4,087</u>
Total discontinued operations, net of tax and noncontrolling interest	<u>\$ 3,529</u>	<u>\$ 17,806</u>

In accordance with generally accepted accounting principles, the assets and liabilities relating to the Furniture Components business were eliminated from the 2012 Consolidated Balance Sheet at the date of sale. We have reclassified our Consolidated Statements of Operations to reflect the disposed business as discontinued operations for all periods presented. We have not reclassified our December 31, 2011 or 2012 Consolidated Statement of Cash Flows to reflect discontinued operations.

In conjunction with the sale of CompX's Furniture Components business, the buyer was not interested in retaining certain undeveloped land located in Taiwan owned by our Taiwanese Furniture Component business. We had no additional use for the undeveloped land in Taiwan and therefore expected the land to be sold to a third party with CompX receiving the net proceeds. Based on the legal form of how we completed the disposal transaction, our interest in such land was represented by a \$3.0 million promissory note receivable at December 31, 2012, issued to us by our former Taiwanese business which retained legal ownership in the land to facilitate the future sale of the land to a third party. The proceeds from the sale of the land were required to be used to settle the note receivable. In 2013, an agreement was entered into with a third party to sell the land for \$3.0 million, all of which was received during 2013. The note receivable was classified as part of accounts receivable in our Consolidated Balance Sheet at December 31, 2012.

**Note 3 - Geographic information:**

We operate in the security products industry and marine components industry through our majority ownership of CompX. CompX manufactures and sells security products including locking mechanisms and other security products for sale to the transportation, postal, office and institutional furniture, cabinetry, tool storage, healthcare and other industries with a facility in South Carolina and a facility shared with Marine Components in Illinois. CompX also manufactures and distributes stainless steel exhaust systems, gauges and throttle controls primarily for recreational boats.

For geographic information, the point of origin (place of manufacture) for all net sales is the U.S., the point of destination for net sales is based on the location of the customer.

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>		
<b>Net sales - point of destination:</b>			
United States	\$ 75,594	\$ 78,268	\$ 87,307
Canada	1,982	2,194	2,195
Other	2,239	2,734	2,543
Total	<u>\$ 79,815</u>	<u>\$ 83,196</u>	<u>\$ 92,045</u>

All of our net property and equipment is located in the United States at December 31, 2012 and 2013.

At December 31, 2012, the net assets of non-U.S. subsidiaries included in consolidated net assets approximated \$3.1 million.

**Note 4 - Accounts and other receivables, net:**

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
Trade receivables	\$ 8,696	\$ 8,706
Promissory note receivable	3,034	-
Accrued insurance recoveries*	476	1,877
Other receivables	51	54
Refundable income taxes	8	8
Allowance for doubtful accounts	(216)	(128)
Total	<u>\$ 12,049</u>	<u>\$ 10,517</u>

\*Accrued insurance recoveries are discussed in Note 18.

**Note 5 - Inventories, net:**

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
Raw materials	\$ 3,253	\$ 3,565
Work in process	5,902	6,696
Finished products	2,068	2,974
Total	<u>\$ 11,223</u>	<u>\$ 13,235</u>



**Note 6 - Marketable securities:**

	Fair value measurement level	Market value	Cost basis	Unrealized gains
(In thousands)				
<b>December 31, 2012</b>				
Noncurrent assets				
Valhi common stock	1	<u>\$ 179,662</u>	<u>\$ 24,347</u>	<u>\$ 155,315</u>
<b>December 31, 2013</b>				
Noncurrent assets				
Valhi common stock	1	<u>\$ 252,677</u>	<u>\$ 24,347</u>	<u>\$ 228,330</u>

At December 31, 2012 and 2013, we held approximately 14.4 million shares of our immediate parent company, Valhi. See Note 1. We account for our investment in Valhi common stock as available-for-sale marketable equity securities and any unrealized gains or losses on the securities are recognized through other comprehensive income, net of deferred income taxes. Our shares of Valhi common stock are carried at fair value based on quoted market prices, representing a Level 1 input within the fair value hierarchy. At December 31, 2012 and 2013, the quoted market prices of Valhi common stock were \$12.50 and \$17.58 per share, respectively.

Prior to December 2012, we held approximately 1.4 million shares, or .8%, of Titanium Metals Corporation's (TIMET) outstanding common stock. TIMET was also an affiliate of ours, as Contran, Mr. Harold Simmons and persons and other entities related to Mr. Simmons (including us) owned a majority of TIMET's outstanding common stock. In December 2012, we sold all of our shares of TIMET common stock for \$23.9 million (\$16.50 per share) pursuant to a cash tender offer by a third party, and all of our affiliates also sold their shares of TIMET common stock for the same price. Securities transactions in 2012 consist of a \$16.6 million pre-tax gain we recognized on the sale of these TIMET shares.

The Valhi common stock we own is subject to the restrictions on resale pursuant to certain provisions of the 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.

**Note 7 - Investment in Kronos Worldwide, Inc.:**

At December 31, 2012 and 2013, we owned approximately 35.2 million shares of Kronos common stock. The per share quoted market price of Kronos at December 31, 2012 and 2013 was \$19.50 and \$19.05 per share, respectively, or an aggregate market value of \$686.8 million and \$670.9 million, respectively.

At December 31, 2013, we had an aggregate of 275,000 shares of our Kronos common stock pledged in connection with certain liabilities incurred in environmental-related settlement obligations, of which 25,000 shares were released to us in January 2014 pursuant to the terms of the applicable settlement agreement.

The change in the carrying value of our investment in Kronos during the past three years is summarized below:

	Year ended December 31,		
	2011	2012	2013
	(In millions)		
Balance at the beginning of the year	\$ 231.7	\$ 281.3	\$ 323.1
Equity in earnings (loss) of Kronos	97.6	66.4	(31.0)
Dividends received from Kronos	(37.9)	(21.1)	(21.1)
Other, principally equity in Kronos' other comprehensive income (loss)	(10.1)	(3.5)	13.5
Balance at the end of the year	<u>\$ 281.3</u>	<u>\$ 323.1</u>	<u>\$ 284.5</u>

Selected financial information of Kronos is summarized below:

	December 31,	
	2012	2013
	(In millions)	
Current assets	\$ 1,223.4	\$ 781.2
Property and equipment, net	522.5	536.3
Investment in TiO <sub>2</sub> joint venture	109.9	102.3
Other noncurrent assets	171.2	199.3
Total assets	<u>\$ 2,027.0</u>	<u>\$ 1,619.1</u>
Current liabilities	\$ 328.4	\$ 278.0
Long-term debt	378.9	180.4
Accrued pension and post retirement benefits	203.3	171.6
Other non-current liabilities	54.3	54.0
Stockholders' equity	1,062.1	935.1
Total liabilities and stockholders' equity	<u>\$ 2,027.0</u>	<u>\$ 1,619.1</u>

	Year ended December 31,		
	2011	2012	2013
	(In millions)		
Net sales	\$ 1,943.3	\$ 1,976.3	\$ 1,732.4
Cost of sales	1,194.9	1,415.9	1,620.2
Income (loss) from operations	546.5	359.6	(132.6)
Net income (loss)	321.0	218.5	(102.0)

**Note 8 - Goodwill:**

Substantially all of our goodwill is related to our component products operations and was generated from CompX's acquisitions of certain business units. Prior to December 31, 2012, we also had approximately \$6.4 million of goodwill which resulted from our acquisition of our subsidiary, EWI Re, Inc., (EWI), an insurance brokerage and risk management services company. EWI brokers certain insurance policies for Contran and certain of its affiliates, including us and Kronos, as well as certain third parties. See Note 16.

We have assigned goodwill related to the component products operations to three reporting units (as that term is defined in ASC Topic 350-20-20 *Goodwill*): one consisting of CompX's security products operations, one consisting of CompX's furniture components operations and one consisting of CompX's marine component

operations. Prior to 2011, all of the goodwill related to CompX's marine components operations (which aggregated \$10.1 million) was impaired. Our gross goodwill at December 31, 2013 was \$43.7 million.

We test for goodwill impairment at the reporting unit level. In accordance with the requirements of ASC Topic 350-20-20, we test for goodwill impairment during the third quarter of each year or when circumstances arise that indicate impairment might be present. Prior to 2013, we used a quantitative assessment in determining the estimated fair value of the reporting units, using appropriate valuation techniques such as discounted cash flows. Such discounted cash flows are a Level 3 input as defined by ASC 820-10-35. If the carrying amount of goodwill exceeds its implied fair value, an impairment charge is recorded. In 2013 we adopted the guidance in ASU No. 2011-08 for testing goodwill for impairment by assessing qualitative factors to determine whether it is necessary to perform the two-step quantitative goodwill impairment test. Based on our qualitative assessment, a quantitative assessment was not required for 2013.

During 2011, 2012 and 2013, no impairment was indicated as part of such annual review of goodwill. However, as a result of the December 2012 disposition of CompX's furniture components business and the December 2012 sale of all common stock of TIMET owned by Contran Corporation and its affiliates (including us), a significant portion of EWI's insurance brokerage business was lost. Consequently, we reevaluated goodwill associated with EWI due to the triggering event caused by the significant impact these dispositions had on EWI's business and concluded that all of our goodwill related to EWI was impaired. Accordingly, we recognized a \$6.4 million goodwill impairment in December 2012. In addition, we had goodwill of approximately \$14.3 million attributable to the disposed CompX furniture components operations, see Note 2.

Changes in the carrying amount of our goodwill related to CompX's two reporting units as well as the goodwill related to EWI during the past three years are presented in the table below. Goodwill acquired in 2011 relates to the acquisition of an ergonomic components product business included in CompX's disposed operations.

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>		
Balance at the beginning of the year	\$ 44,819	\$ 47,553	\$ 27,156
Goodwill acquired during the year	3,111	-	-
Sale of disposed operations	-	(14,286)	-
Goodwill impairment	-	(6,406)	-
Changes in currency exchange rates	(377)	295	-
Total	<u>\$ 47,553</u>	<u>\$ 27,156</u>	<u>\$ 27,156</u>

**Note 9 - Other assets:**

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
Restricted cash	\$ 1,694	\$ 1,687
Assets held for sale	1,965	532
Pension asset	-	364
Other	195	124
Total	<u>\$ 3,854</u>	<u>\$ 2,707</u>

Prior to 2012, our assets held for sale consisted of two facilities (land, building and building improvements) and certain unimproved land, all of which were formerly used in CompX's operations. These assets were classified as "assets held for sale" when they ceased to be used in our operations and met all of the applicable criteria under U.S. GAAP. During 2012, we obtained updated independent appraisals of the significant assets. Based on these

appraisals, we recognized a write-down in the third quarter of \$.4 million to reduce the carrying value of the assets to their estimated fair value less cost to sell. Subsequently, we sold one of the facilities in December 2012 for net proceeds of \$3.6 million, which net proceeds were less than the carrying amount of the assets and we therefore recognized a loss on the sale of the facility of approximately \$.8 million in 2012. At December 31, 2012 our assets held for sale consisted of the remaining facility and the unimproved land. In 2013, we sold the remaining facility for net proceeds of \$1.6 million, which approximated the carrying value of the assets as of the date of the sale. At December 31, 2013, our assets held for sale consisted only of the unimproved land.

We also recognized an asset held for sale write-down of \$1.1 million in 2011 related to these properties, associated with obtaining updated appraisals on the properties. These appraisals represent a Level 2 input as defined by ASC 820-10-35.

The write-downs on assets held for sale in 2011 and 2012 and loss on the sale of the facility are included in loss from operations.

**Note 10 - Accrued liabilities:**

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
Employee benefits	\$ 7,611	\$ 7,653
Professional fees and settlements	2,805	1,855
Other	1,805	1,642
Total	<u>\$ 12,221</u>	<u>\$ 11,150</u>

**Note 11 - Other noncurrent liabilities:**

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
Insurance claims and expenses	\$ 586	\$ 575
Reserve for uncertain tax positions	16,832	16,832
Other	1,154	922
Total	<u>\$ 18,572</u>	<u>\$ 18,329</u>

Our reserve for uncertain tax positions is discussed in Note 14.

**Note 12 - Long-term debt:**

	December 31,	
	2012	2013
	(In thousands)	
Subsidiary debt:		
CompX note payable to TIMET Finance Management Company	\$ 18,480	\$ -
Less current maturities	1,000	-
Total long-term debt	<u>\$ 17,480</u>	<u>\$ -</u>

*NL* - We have a revolving promissory note with Valhi that, as amended, allows us to borrow up to \$40 million. Our borrowings from Valhi under this revolving note are unsecured bear interest at prime rate plus 2.75% with all principal due on demand, but in any event no earlier than March 31, 2015 and no later than December 31, 2015. The amount of the outstanding borrowings at any time is solely at the discretion of Valhi. See Note 16.

*CompX* - Prior to 2011, CompX purchased and/or cancelled certain shares of its Class A common stock from Timet Finance Management Company (TFMC) a former affiliate. We paid for the shares acquired in the form of a promissory note which, as amended, bore interest at LIBOR plus 1% and provided for quarterly principal repayments of \$.3 million, with the balance due at maturity in September 2014. The promissory note was prepayable, in whole or in part, at any time at our option without penalty. In July of 2013, we prepaid the remaining outstanding principal amount of the note, plus accrued interest, without penalty. We had net repayments on the note payable of \$20 million in 2011 (including \$15.0 million of repayments using cash we received upon collection of our promissory note receivable discussed in Note 18), \$3.8 million in 2012 and \$18.5 million in 2013 (including the amount paid upon final payment). The average interest rate on the promissory note payable was 1.3% in 2011, 1.5% in 2012 and 1.3% for the year-to-date period ended July 18, 2013 (the pay-off date). We recognized interest expense of approximately \$.5 million in 2011, \$.3 million in 2012, and \$.1 million in 2013 on this promissory note.

**Note 13 - Stockholders' equity:**

Changes in our outstanding stock for the periods ended December 31, 2011, 2012, and 2013 are presented in the table below.

	Years ended December 31,		
	2011	2012	2013
	(Shares in thousands)		
Common stock outstanding at the beginning of the year	48,631	48,663	48,669
Common stock issued	32	6	5
Common stock at end of the year	<u>48,663</u>	<u>48,669</u>	<u>48,674</u>

**Long-term incentive compensation plan** - The NL Industries, Inc. 1998 Long-Term Incentive Plan provided for the discretionary grant of restricted common stock, stock options, stock appreciation rights (SARs) and other incentive compensation to our officers and other key employees and non-employee directors, including individuals who are employed by Kronos. All options under this plan expired or were exercised in 2011. In 2012, we adopted the NL Industries, Inc. 2012 Director Stock Plan pursuant to which an aggregate of up to 200,000 shares of our common stock can be awarded to members of our board of directors, and the 1998 Long-Term Incentive Plan was terminated. At December 31, 2013, 195,000 shares were available for future grants under the 2012 Director Stock Plan.

**Long-term incentive compensation plan of subsidiaries and affiliates** - CompX and Kronos each have a share based incentive compensation plan pursuant to which an aggregate of up to 200,000 shares of their common

stock can be awarded to members of their board of directors. At December 31, 2013, Kronos had 193,000 shares available for award and CompX had 195,000 shares available for award.

**Accumulated other comprehensive income (loss)** - Changes in accumulated other comprehensive income (loss) attributable to NL stockholders for 2011, 2012 and 2013 are presented in the table below.

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>		
<b>Accumulated other comprehensive income (loss), net of tax:</b>			
Marketable securities:			
Balance at beginning of year	\$ 68,147	\$ 186,451	\$ 105,419
Other comprehensive income (loss):			
Unrealized gain (loss) arising during the year	118,304	(71,184)	48,514
Less reclassification adjustment for amounts included in realized gain	-	(9,848)	236
Balance at end of year	<u>\$ 186,451</u>	<u>\$ 105,419</u>	<u>\$ 154,169</u>
Currency translation:			
Balance at beginning of year	\$ (127,032)	\$ (133,041)	\$ (135,165)
Other comprehensive income (loss):			
Arising during the year	(6,009)	6,605	1,349
Less reclassification adjustment for amounts included in gain on disposal	-	(8,729)	-
Balance at end of year	<u>\$ (133,041)</u>	<u>\$ (135,165)</u>	<u>\$ (133,816)</u>
Defined benefit pension plans:			
Balance at beginning of year	\$ (51,534)	\$ (59,478)	\$ (66,402)
Other comprehensive income (loss):			
Amortization of prior service cost and net losses included in net periodic pension cost	1,824	2,254	2,776
Net actuarial gain (loss) arising during year	(9,768)	(9,178)	5,952
Plan curtailment	-	-	1,030
Balance at end of year	<u>\$ (59,478)</u>	<u>\$ (66,402)</u>	<u>\$ (56,644)</u>
OPEB plans:			
Balance at beginning of year	\$ 1,592	\$ 1,344	\$ 895
Other comprehensive income (loss):			
Amortization of prior service credit and net losses included in net periodic OPEB cost	(581)	(552)	(663)
Net actuarial gain arising during year	333	103	395
Plan amendment	-	-	648
Balance at end of year	<u>\$ 1,344</u>	<u>\$ 895</u>	<u>\$ 1,275</u>
Total accumulated other comprehensive income (loss), net of tax:			
Balance at beginning of year	\$ (108,827)	\$ (4,724)	\$ (95,253)
Other comprehensive income (loss)	104,103	(90,529)	60,237
Balance at end of year	<u>\$ (4,724)</u>	<u>\$ (95,253)</u>	<u>\$ (35,016)</u>

The marketable securities reclassification adjustment in 2012 consists principally of the securities transaction gain related to the sale of TIMET common stock discussed in Note 6. The currency translation reclassification adjustment in 2012 relates to CompX's disposition of its furniture components operations discussed in Note 2. See Note 15 for amounts related to our defined benefit pension plans and OPEB plans.

**Note 14 - Income taxes:**

The provision for income taxes attributable to continuing operations, the difference between such provision for income taxes, the amount that would be expected using the U.S. federal statutory income tax rate of 35% and the comprehensive provision for income taxes are presented below.

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In millions)</b>		
Expected tax expense (benefit), at U.S. federal statutory income tax rate of 35%	\$ 34.4	\$ 27.0	\$ (33.8)
Incremental U.S. tax and rate differences on equity in earnings	(13.3)	(7.4)	(7.4)
Tax rate changes	(1.4)	-	-
Nondeductible goodwill impairment	-	2.2	-
U.S. state income taxes other, net	.1	(1.9)	(.7)
Income tax expense (benefit)	<u>\$ 19.8</u>	<u>\$ 19.9</u>	<u>\$ (41.9)</u>

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In millions)</b>		
Components of income tax expense (benefit):			
Currently payable (receivable)	\$ .9	\$ (15.0)	\$ -
Deferred income taxes (benefit)	18.9	34.9	(41.9)
Income tax expense (benefit)	<u>\$ 19.8</u>	<u>\$ 19.9</u>	<u>\$ (41.9)</u>

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In millions)</b>		
Comprehensive provision for income taxes (benefit) allocable to:			
Income (loss) from continuing operations	\$ 19.8	\$ 19.9	\$ (41.9)
Discontinued operations	4.9	9.1	-
Other comprehensive income (loss):			
Marketable securities	63.8	(43.6)	26.2
Currency translation	(3.1)	3.0	.7
Pension liabilities	(4.3)	(3.7)	5.3
OPEB plans	(.1)	(.2)	.2
Total	<u>\$ 81.0</u>	<u>\$ (15.5)</u>	<u>\$ (9.5)</u>

The components of the net deferred tax liability at December 31, 2012 and 2013 are summarized in the following table.

	<b>December 31,</b>			
	<b>2012</b>		<b>2013</b>	
	<b>Assets</b>	<b>Liabilities</b>	<b>Assets</b>	<b>Liabilities</b>
	<b>(In millions)</b>			
Tax effect of temporary differences related to:				
Inventories	\$ 1.0	\$ -	\$ .9	\$ -
Marketable securities	-	(62.5)	-	(88.1)
Property and equipment	-	(3.8)	-	(4.1)
Accrued OPEB costs	1.6	-	1.3	-
Accrued pension cost	4.9	-	1.7	-
Accrued environmental liabilities	16.9	-	40.1	-
Other accrued liabilities and deductible differences	3.0	-	2.5	-
Other taxable differences	-	(8.7)	-	(7.7)
Investment in Kronos Worldwide, Inc.	-	(120.0)	-	(106.5)
Tax loss and tax credit carryforwards	.1	-	1.8	-
Valuation allowance	(.1)	-	-	-
Adjusted gross deferred tax assets(liabilities)	27.4	(195.0)	48.3	(206.4)
Netting of items by tax jurisdiction	(23.1)	23.1	(44.5)	44.5
	4.3	(171.9)	3.8	(161.9)
Less net current deferred tax asset	4.3	-	3.8	-
Net noncurrent deferred tax liability	<u>\$ -</u>	<u>\$ (171.9)</u>	<u>\$ -</u>	<u>\$ (161.9)</u>

Tax authorities are examining certain of our U.S. and non-U.S. tax returns, including those of Kronos, and tax authorities have or may propose tax deficiencies, including penalties and interest. We cannot guarantee that these tax matters will be resolved in our favor due to the inherent uncertainties involved in settlement initiatives and court and tax proceedings. We believe that 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.

In 2011 and 2012, Kronos received notices of re-assessment from the Canadian federal and provincial tax authorities related to the years 2002 through 2004. Kronos objects to the re-assessments and believes the position is without merit. Accordingly, the re-assessments are being appealed. If the full amount of the proposed adjustment were ultimately to be assessed against Kronos the cash tax liability would be approximately \$15.7 million. Kronos believes that it has adequate accruals for this matter.

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 2011, 2012 and 2013 was not material.

At December 31, 2011, 2012, and 2013, the amount of our uncertain tax positions (exclusive of the effect of interest and penalties) was \$16.8 million, and there was no change in such amount during the past three years. We currently estimate that our unrecognized tax position will not change materially during the next twelve months. If our uncertain tax positions were recognized, a benefit of \$15.2 million would affect our effective income tax rate in each of 2011, 2012 and 2013.

We file income tax returns in various U.S. federal, state and local jurisdictions. Prior to 2012, we also filed income tax returns in various non-U.S. jurisdictions, principally in Canada and Taiwan. Our U.S. income tax returns prior to 2010 are generally considered closed to examination by applicable tax authorities.



**Note 15 - Employee benefit plans:**

**Defined contribution plans** - We maintain various defined contribution pension plans worldwide. Company contributions are based on matching or other formulas. Defined contribution plan expense attributable to continuing operations approximated \$1.8 million in 2011, \$1.9 million in 2012 and \$2.1 million in 2013.

**Accounting for defined benefit pension and postretirement benefits other than pension (OPEB) plans** - We recognize all changes in the funded status of these plans through other income. Any future changes will be recognized either in net income, to the extent they are reflected in periodic benefit cost, or through other comprehensive income.

**Defined benefit plans** - We maintain a defined benefit pension plan in the U.S. We also maintain a plan in the United Kingdom related to a former disposed business unit in the U.K. The benefits under our defined benefit plans are based upon years of service and employee compensation. The plans are closed to new participants and no additional benefits accrue to existing plan participants. 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 approximately \$1.7 million to all of our defined benefit pension plans during 2014. Benefit payments to all plan participants out of plan assets are expected to be the equivalent of:

<b>Years ending December 31,</b>	<b>Amount</b>
	<b>(In millions)</b>
2014	\$ 3.6
2015	3.7
2016	3.8
2017	3.9
2018	3.9
Next 5 years	20.1

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

	<b>Years ended December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
<b>Change in projected benefit obligations (PBO):</b>		
Balance at beginning of the year	\$ 57,000	\$ 59,415
Interest cost	2,379	2,161
Participant contributions	7	7
Actuarial losses (gains)	2,874	(3,696)
Change in currency exchange rates	454	223
Benefits paid	(3,299)	(3,452)
Benefit obligation at end of the year	<u>59,415</u>	<u>54,658</u>
<b>Change in plan assets:</b>		
Fair value at beginning of the year	40,087	45,498
Actual return on plan assets	6,083	5,589
Employer contributions	2,247	1,510
Participant contributions	7	7
Change in currency exchange rates	373	250
Benefits paid	(3,299)	(3,452)
Fair value of plan assets at end of year	<u>45,498</u>	<u>49,402</u>
<b>Funded status</b>	<u>\$ (13,917)</u>	<u>\$ (5,256)</u>
<b>Amounts recognized in the consolidated balance sheets:</b>		
Noncurrent pension asset	\$ -	\$ 364
Accrued pension costs:		
Current	(170)	(167)
Noncurrent	(13,747)	(5,453)
	<u>\$ (13,917)</u>	<u>\$ (5,256)</u>
Accumulated other comprehensive loss – actuarial losses, net	<u>\$ 31,100</u>	<u>\$ 24,557</u>
<b>Accumulated benefit obligation (ABO)</b>	<u>\$ 59,415</u>	<u>\$ 54,658</u>

The amounts shown in the table above for actuarial losses at December 31, 2012 and 2013 have not 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. These amounts, net of deferred income taxes, are recognized in our accumulated other comprehensive income (loss) at December 31, 2012 and 2013. We expect that \$.9 million of the unrecognized actuarial losses at December 31, 2013 will be recognized as a component of our periodic defined benefit pension cost in 2014.

The table below details the changes in other comprehensive income during 2011, 2012 and 2013.

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>		
<b>Changes in plan assets and benefit obligations recognized in other comprehensive income (loss):</b>			
Net actuarial gain (loss) arising during the year	\$ (10,360)	\$ (426)	\$ 5,305
Amortization of unrecognized net actuarial loss	900	1,353	1,238
<b>Total</b>	<u>\$ (9,460)</u>	<u>\$ 927</u>	<u>\$ 6,543</u>

The components of our net periodic defined benefit pension cost are presented in the table below. The amount shown below for the amortization of unrecognized actuarial losses in 2011, 2012 and 2013, net of deferred income taxes, was recognized as a component of our accumulated other comprehensive income (loss) at December 31, 2010, 2011 and 2012, respectively.

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>		
<b>Net periodic pension cost (income):</b>			
Interest cost on PBO	\$ 2,615	\$ 2,379	\$ 2,161
Expected return on plan assets	(3,905)	(3,658)	(3,975)
Recognized net actuarial loss	900	1,353	1,238
<b>Total</b>	<b>\$ (390)</b>	<b>\$ 74</b>	<b>\$ (576)</b>

Certain information concerning our defined benefit pension plans is presented in the table below.

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
<b>PBO at end of the year:</b>		
U.S. plan	\$ 50,022	\$ 44,850
U.K. plan	9,393	9,808
<b>Total</b>	<b>\$ 59,415</b>	<b>\$ 54,658</b>
<b>Fair value of plan assets at end of the year:</b>		
U.S. plan	\$ 36,346	\$ 39,230
U.K. plan	9,152	10,172
<b>Total</b>	<b>\$ 45,498</b>	<b>\$ 49,402</b>
<b>Plans for which the accumulated benefit obligation exceeds plan assets:</b>		
PBO	\$ 59,415	\$ 44,850
ABO	59,415	44,850
Fair value of plan assets	45,498	39,230

The weighted-average discount rate assumptions used in determining the actuarial present value of our benefit obligations as of December 31, 2012 and 2013 are 3.7% and 4.5%, respectively. Such weighted-average rates were determined using the projected benefit obligations at each date. Since our plans are closed to new participants and no new additional benefits accrue to existing plan participants, assumptions regarding future compensation levels are not applicable. Consequently, the accumulated benefit obligations for all of our defined benefit pension plans were equal to the projected benefit obligations at December 31, 2012 and 2013.

The weighted-average rate assumptions used in determining the net periodic pension cost for 2011, 2012 and 2013 are presented in the table below. Such weighted-average discount rates were determined using the projected benefit obligations as of the beginning of each year and the weighted-average long-term return on plan assets was determined using the fair value of plan assets as of the beginning of each year.

	<b>Rate</b>	<b>Years ended December 31,</b>		
		<b>2011</b>	<b>2012</b>	<b>2013</b>
Discount rate		5.2%	4.3%	3.7%
Long-term return on plan assets		9.3%	9.2%	9.2%

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

At December 31, 2012 and 2013, substantially all of the assets attributable to our U.S. plan 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 that fund certain employee benefits 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 (prior to his death in December 2013). Prior to his death, Mr. Simmons was the sole trustee of the CMRT, and he, along with the CMRT's investment committee, of which Mr. Simmons was a member, actively managed the investments of the CMRT.

The CMRT trustee and investment committee did not maintain a specific target asset allocation in order to achieve their objectives, but instead they periodically changed the asset mix of the CMRT based upon, among other things, advice they received from third-party advisors and their expectations regarding potential returns for various investment alternatives and what asset mix would generate the greatest overall return. Prior to December 2012, the CMRT had an investment in TIMET common stock; however, in December 2012 the CMRT sold its shares of common stock in conjunction with the tender offer discussed in Note 6. During the history of the CMRT from its inception in 1988 through December 31, 2013, the average annual rate of return has been 14%. For the years ended December 31, 2011, 2012 and 2013, 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 relied on the historical rates of return achieved by the CMRT, although we considered other factors as well including, among other things, the investment objectives of the CMRT's managers and their expectation that such historical returns would in the future continue to be achieved over the long-term.

Following the death of Mr. Simmons in December 2013, the Contran board of directors in January 2014 appointed a financial institution as the new directed trustee of the CMRT, and the Contran board appointed five individuals (all executive officers of Contran) as the new investment committee of the CMRT. The new investment committee intends to reallocate to current and/or new investment managers or various mutual funds the portion of the CMRT assets that had previously been under the direct and active management by Mr. Simmons. Such reallocation will be done prudently over a period of time, given the asset composition of this portion of the portfolio. Concurrent with this change in investment strategy in which there is no longer a portion of the CMRT's assets under the direct and active management by Mr. Simmons, and considering the long-term asset mix for the assets of the CMRT and the expected long-term rates of return for such asset components as well as advice from Contran's actuaries, beginning in 2014 the assumed long-term rate of return for plan assets invested in the CMRT will be reduced to 7.5%.

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 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 any time based on the most recent value and (ii) observable inputs from Level 1 or Level 2 were used to value approximately 83% of the assets of the CMRT at each of December 31, 2012 and 2013 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 are as follows:

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
CMRT asset value	<u>\$ 726,410</u>	<u>\$ 722,764</u>
CMRT fair value input:		
Level 1	82%	79%
Level 2	1	4
Level 3	17	17
	<u>100%</u>	<u>100%</u>

	December 31,	
	2012	2013
(In thousands)		
CMRT asset mix:		
Domestic equities, principally publicly traded	43%	53%
International equities, publicly traded	2	-
Fixed income securities, publicly traded	12	35
Privately managed limited partnerships	8	11
Other, primarily cash	35	1
	<u>100%</u>	<u>100%</u>

The relatively large percentage of the CMRT invested in cash and other assets at December 31, 2012 is the result of the CMRT's December 2012 disposition of its shares of TIMET common stock, which generated aggregate proceeds to the CMRT of \$254.7 million (or approximately 35% of the CMRT's total asset value at December 31, 2012), and which funds were invested in a cash equivalent at the end of 2012. Subsequently in January 2013, the CMRT redeployed such proceeds into other investments.

The composition of our December 31, 2012 and 2013 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 plans investment in the CMRT.

	Fair Value Measurements		
	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)
		(In thousands)	
<b>December 31, 2012:</b>			
CMRT	\$ 36,346	\$ -	\$ 36,346
Other	9,152	9,152	-
Total	<u>\$ 45,498</u>	<u>\$ 9,152</u>	<u>\$ 36,346</u>
<b>December 31, 2013:</b>			
CMRT	\$ 39,230	\$ -	\$ 39,230
Other	10,172	10,172	-
Total	<u>\$ 49,402</u>	<u>\$ 10,172</u>	<u>\$ 39,230</u>

**Postretirement benefits other than pensions** - We provide certain health care and life insurance benefits for eligible retired employees. These plans are closed to new participants, and no additional benefits accrue to existing plan participants. 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 postretirement benefits as they are incurred, net of any contributions by the retiree. At December 31, 2013, we currently expect to contribute approximately \$.6 million to all OPEB plans during 2014. Contribution to our OPEB plans to cover benefit payments, net of estimated Medicare Part D subsidy of approximately \$43,000 per year, expected to be paid to OPEB plan participants are summarized in the table below:

Years ending December 31,	Amount
	(In millions)
2014	\$ .6
2015	.5
2016	.5
2017	.4

2018	.4
Next 5 years	1.3

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

	<b>Years ended December 31,</b>	
	<b>2012</b>	<b>2013</b>
<b>(In thousands)</b>		
<b>Change in accumulated OPEB obligations:</b>		
Balance at beginning of the year	\$ 5,106	\$ 4,505
Interest cost	157	105
Actuarial gain	(282)	(240)
Net benefits paid	(476)	(506)
Obligations at end of the year	<u>4,505</u>	<u>3,864</u>
Fair value of plan assets at end of year	-	-
Funded status	<u>\$ (4,505)</u>	<u>\$ (3,864)</u>
<b>Accrued OPEB costs recognized in the Consolidated Balance Sheets:</b>		
Current	\$ (644)	\$ (596)
Noncurrent	(3,861)	(3,268)
Total	<u>\$ (4,505)</u>	<u>\$ (3,864)</u>
<b>Accumulated other comprehensive income (loss):</b>		
Unrecognized net actuarial losses	\$ 558	\$ 464
Unrecognized prior service credit	(2,494)	(1,806)
Total	<u>\$ (1,936)</u>	<u>\$ (1,342)</u>

The amounts shown in the table above for unrecognized actuarial losses and prior service credit at December 31, 2012 and 2013 have not 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. These amounts, net of deferred income taxes, are now recognized in our accumulated other comprehensive income at December 31, 2012 and 2013. We expect to recognize approximately \$.6 million of the prior service credit and approximately \$.2 million of actuarial gains as a component of our periodic OPEB cost in 2014.

The table below details the changes in other comprehensive income during 2011, 2012 and 2013 .

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
<b>(In thousands)</b>			
<b>Changes in benefit obligations recognized in other comprehensive income (loss):</b>			
Net actuarial gain arising during the year	\$ 949	\$ 282	\$ 240
<b>Amortization of unrecognized:</b>			
Actuarial gain	-	(99)	(146)
Prior service credit	(800)	(698)	(688)
Total	<u>\$ 149</u>	<u>\$ (515)</u>	<u>\$ (594)</u>

The components of our periodic OPEB cost are presented in the table below. The amounts shown below for the amortization of unrecognized actuarial losses and prior service credit in 2012 and 2013, net of deferred income taxes, were recognized as components of our accumulated other comprehensive income at December 31, 2011, 2012 and 2013 respectively.

	Years ended December 31,		
	2011	2012	2013
	(In thousands)		
Net periodic OPEB cost (income):			
Interest cost	\$ 236	\$ 157	\$ 105
Amortization of actuarial gain	-	(99)	(146)
Amortization of prior service credit	(800)	(698)	(688)
Total	<u>\$ (564)</u>	<u>\$ (640)</u>	<u>\$ (729)</u>

A summary of our key actuarial assumptions used to determine the net benefit obligation as of December 31, 2012 and 2013 follows:

	2012	2013
Health care inflation:		
Initial rate	7.5%	7.0%
Ultimate rate	5.0%	5.0%
Year of ultimate rate achievement	2018	2018
Discount rate	2.5%	3.2%

The assumed health care cost trend rates have an effect on the amount we report for health care plans. A one-percent change in assumed health care cost trend rates would not have a material effect on the net periodic OPEB cost for 2013 or on the accumulated OPEB obligation at December 31, 2013.

	1% Increase	1% Decrease
	(In thousands)	
Effect on net OPEB cost during 2013	\$ 2	\$ (2)
Effect at December 31, 2013 on Postretirement obligation	98	(91)

The weighted-average discount rate used in determining the net periodic OPEB cost for 2013 was 2.5% (the rate was 3.3% in 2012 and 4.0% in 2011). The weighted-average rate was determined using the projected benefit obligation as of the beginning of each year.

**Note 16 - Related party transactions:**

We may be deemed to be controlled by Ms. Lisa Simmons, Ms. Connelly and Ms. Annette Simmons. See Note 1. Corporations that may be deemed to be controlled by or affiliated with such individuals 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.

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

	<b>December 31,</b>	
	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>	
<b>Current receivables from affiliates:</b>		
Income taxes receivable from Valhi	\$ -	\$ 54
Other - trade items	-	61
Total	<u>\$ -</u>	<u>\$ 115</u>
<b>Current payables to affiliates:</b>		
Income taxes payable to Valhi	\$ 270	\$ -
Other - trade items	258	49
Total	<u>\$ 528</u>	<u>\$ 49</u>

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 the lender would earn if the funds were invested in other instruments. While certain of such loans may be of a lesser credit quality than cash equivalent instruments otherwise available to us, we believe that we have evaluated the credit risks involved and reflected those credit risks in the terms of the applicable loans. When we borrow from related parties, we are generally able to pay a lower rate of interest than we would pay if we borrowed from unrelated parties. In this regard, in June 2010, we entered into a promissory note with Valhi, whereby, as subsequently amended, we may borrow up to \$40 million. Interest expense on our promissory note to Valhi aggregated approximately \$.3 million in each of 2011 and 2012. During 2013 we had no borrowings under this note. See Note 12.

Under the terms of various intercorporate services agreements (ISAs) we enter into with Contran, employees of Contran 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 Contran employees to our affairs and the compensation and other expenses associated with those 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 Contran employees to provide services to multiple companies but only be compensated by Contran. The net ISA fees charged to us by Contran, (including amounts attributable to Kronos for all periods), approved by the independent members of the applicable board of directors, aggregated approximately \$18.2 million in 2011, \$21.2 million in 2012 and \$24.1 million in 2013. This agreement is renewed annually, and we expect to pay approximately \$21.9 million under the ISA during 2014.



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. 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 2014.

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 insured party 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 17 - Other operating income (expense):**

We have agreements with certain insurance carriers pursuant to which the carriers reimburse us for a portion of our past lead pigment and asbestos litigation defense costs. Insurance recoveries include amounts we received from these insurance carriers. The majority of the \$16.9 million of insurance recoveries we recognized in 2011 relate to a new settlement we reached with one of our insurance carriers in September 2011 in which they agreed to reimburse us for a portion of our past litigation defense costs.

The agreements with certain of our insurance carriers also include reimbursement for a portion of our future litigation defense costs. We are not able to determine how much we will ultimately recover from these carriers for defense costs incurred by us because of certain issues that arise regarding which defense costs qualify for reimbursement. Accordingly, these insurance recoveries are recognized when the receipt is probable and the amount is determinable. Substantially all of the insurance recoveries received in 2012 and 2013 are reimbursement for ongoing litigation defense costs. See Note 18.

The litigation settlement gain we recognized in 2012 is discussed in Note 18. Other operating income, net, in 2012 includes \$3.2 million from the sale of certain real property owned by us for which we had a nominal carrying value.

**Note 18 - Commitments and contingencies:**

***Lead pigment litigation***

Our former operations included the manufacture of lead pigments for use in paint and lead-based paint. We, other former manufacturers of lead pigments for use in paint and lead-based paint (together, the “former pigment manufacturers”), and the Lead Industries Association (LIA), which discontinued business operations in 2002, have been named as defendants in various legal proceedings seeking damages for personal injury, property damage and governmental expenditures allegedly caused by the use of lead-based paints. Certain of these actions have been filed by or on behalf of states, counties, cities or their public housing authorities and school districts, and certain others have been asserted as class actions. These lawsuits seek recovery under a variety of theories, including public and private nuisance, negligent product design, negligent failure to warn, strict liability, breach of warranty, conspiracy/concert of action, aiding and abetting, enterprise liability, market share or risk contribution liability, intentional tort, fraud and misrepresentation, violations of state consumer protection statutes, supplier negligence and similar claims.

The plaintiffs in these actions generally seek to impose on the defendants responsibility for lead paint abatement and health concerns associated with the use of lead-based paints, including damages for personal injury,

contribution and/or indemnification for medical expenses, medical monitoring expenses and costs for educational programs. To the extent the plaintiffs seek compensatory or punitive damages in these actions, such damages are generally unspecified. In some cases, the damages are unspecified pursuant to the requirements of applicable state law. A number of cases are inactive or have been dismissed or withdrawn. Most of the remaining cases are in various pre-trial stages. Some are on appeal following dismissal or summary judgment rulings or a trial verdict in favor of either the defendants or the plaintiffs.

We believe that these actions are without merit, and we intend to continue to deny all allegations of wrongdoing and liability and to defend against all actions vigorously. We do not believe it is probable that we have incurred any liability with respect to all of the lead pigment litigation cases to which we are a party, and liability to us that may result, if any, in this regard cannot be reasonably estimated, because:

- we have never settled any of the market share, risk contribution, intentional tort, fraud, nuisance, supplier negligence, breach of warranty, conspiracy, misrepresentation, aiding and abetting, enterprise liability, or statutory cases,
- no final, non-appealable adverse verdicts have ever been entered against us, and
- we have never ultimately been found liable with respect to any such litigation matters, including over 100 cases over a twenty-year period for which we were previously a party and for which we have been dismissed without any finding of liability.

Accordingly, we have not accrued any amounts for any of the pending lead pigment and lead-based paint litigation cases. In addition, we have determined that liability to us which may result, if any, cannot be reasonably estimated because there is no prior history of a loss of this nature on which an estimate could be made and there is no substantive information available upon which an estimate could be based.

In one of these lead pigment cases, in April 2000 we were served with a complaint in *County of Santa Clara v. Atlantic Richfield Company, et al.* (Superior Court of the State of California, County of Santa Clara, Case No. 1-00-CV-788657) brought by a number of California government entities against the former pigment manufacturers, the LIA and certain paint manufacturers. The County of Santa Clara sought to recover compensatory damages for funds the plaintiffs have expended or will in the future expend for medical treatment, educational expenses, abatement or other costs due to exposure to, or potential exposure to, lead paint, disgorgement of profit, and punitive damages. In July 2003, the trial judge granted defendants' motion to dismiss all remaining claims. Plaintiffs appealed and the intermediate appellate court reinstated public nuisance, negligence, strict liability, and fraud claims in March 2006. A fourth amended complaint was filed in March 2011 on behalf of The People of California by the County Attorneys of Alameda, Ventura, Solano, San Mateo, Los Angeles and Santa Clara, and the City Attorneys of San Francisco, San Diego and Oakland. That complaint alleged that the presence of lead paint created a public nuisance in each of the prosecuting attorney jurisdictions and seeks its abatement. In July and August 2013, the case was tried. In January 2014, the Judge issued a judgment finding us, The Sherwin Williams Company and ConAgra jointly and severally liable for the abatement of lead paint in pre-1980 homes, and ordered the defendants to pay an aggregate \$1.15 billion to the State of California to fund such abatement. NL believes that this judgment is inconsistent with California law and is unsupported by the evidence, and we will appeal in the first quarter of 2014. In February 2014, we filed a motion for a new trial.

The Santa Clara case is unique in that this is the second time that an adverse verdict in the lead pigment litigation has been entered against NL (the first adverse verdict against NL was ultimately overturned on appeal). We have concluded that the likelihood of a loss in this case has not reached a standard of "probable" as contemplated by ASC 450, given (i) the substantive, substantial and meritorious grounds on which the adverse verdict in the Santa Clara case will be appealed (assuming our motion for a new trial is not granted), (ii) the uniqueness of the Santa Clara verdict (i.e. no final, non-appealable verdicts have ever been rendered against us, or any of the other former lead pigment manufacturers, based on the public nuisance theory of liability or otherwise), and (iii) the rejection of the public nuisance theory of liability as it relates to lead pigment matters in many other jurisdictions (no jurisdiction in which a plaintiff has asserted a public nuisance theory of liability has ever successfully been upheld). In addition, liability that may result, if any, cannot be reasonably estimated, as NL continues to have no basis on which an estimate of liability could be made, as discussed above. However, as with any legal proceeding, there is no assurance that any of any appeal would be successful, and it is reasonably possible,

based on the outcome of the appeals process, that NL may in the future incur some liability resulting in the recognition of a loss contingency accrual that could have a material adverse impact on our results of operations, financial position and liquidity.

New cases may continue to be filed against us. We cannot assure you that we will not incur liability in the future in respect of any of the pending or possible litigation in view of the inherent uncertainties involved in court and jury rulings. In the future, if new information regarding such matters becomes available to us (such as a final, non-appealable adverse verdict against us or otherwise ultimately being found liable with respect to such matters), at that time we would consider such information in evaluating any remaining cases then-pending against us as to whether it might then have become probable we have incurred liability with respect to these matters, and whether such liability, if any, could have become reasonably estimable. The resolution of any of these cases could result in the recognition of a loss contingency accrual that could have a material adverse impact on our net income for the interim or annual period during which such liability is recognized and a material adverse impact on our consolidated financial condition and liquidity.

### **Environmental matters and litigation**

Our operations are governed by various environmental laws and regulations. Certain of our businesses 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 plants and to strive to improve environmental performance. From time to time, we may be subject to environmental regulatory enforcement under U.S. and non-U.S. statutes, the 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, could adversely affect our production, handling, use, storage, transportation, sale or disposal of such substances. We believe that all of our facilities are in substantial compliance with applicable environmental laws.

Certain properties and facilities used in our former operations, including divested primary and secondary lead smelters and former mining locations, are the subject of civil litigation, administrative proceedings or investigations arising under federal and state environmental laws and comm on law. Additionally, in connection with past operating practices, we are currently involved as a defendant, potentially responsible party (PRP) or both, pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, as amended by the Superfund Amendments and Reauthorization Act (CERCLA), and similar state laws in various governmental and private actions associated with waste disposal sites, mining locations, and facilities that we or our predecessors, our subsidiaries or their predecessors currently or previously owned, operated or used, certain of which are on the United States Environmental Protection Agency's (EPA) Superfund National Priorities List or similar state lists. These proceedings seek cleanup costs, damages for personal injury or property damage and/or damages for injury to natural resources. Certain of these proceedings involve claims for substantial amounts. Although we may be jointly and severally liable for these costs, in most cases we are only one of a number of PRPs who may also be jointly and severally liable, and among whom costs may be shared or allocated. In addition, we are also a party to a number of personal injury lawsuits filed in various jurisdictions alleging claims related to environmental conditions alleged to have resulted from our operations.

Obligations associated with environmental remediation and related matters are difficult to assess and estimate for numerous reasons including the:

- complexity and differing interpretations of governmental regulations,
- number of PRPs and their ability or willingness to fund such allocation of costs,
- financial capabilities of the PRPs and the allocation of costs among them,
- solvency of other PRPs,
- multiplicity of possible solutions,
- number of years of investigatory, remedial and monitoring activity required,

- uncertainty over the extent, if any, to which our former operations might have contributed to the conditions allegedly giving rise to such personal injury, property damage, natural resource and related claims and
- number of years between former operations and notice of claims and lack of information and documents about the former operations.

In addition, the imposition of more stringent standards or requirements under environmental laws or regulations, new developments or changes regarding site cleanup costs or the allocation of costs among PRPs, solvency of other PRPs, the results of future testing and analysis undertaken with respect to certain sites or a determination that we are potentially responsible for the release of hazardous substances at other sites, could cause our expenditures to exceed our current estimates. We cannot assure you that actual costs will not exceed accrued amounts or the upper end of the range for sites for which estimates have been made, and we cannot assure you that costs will not be incurred for sites where no estimates presently can be made. Further, additional environmental and related matters may arise in the future. If we were to incur any future liability, this could have a material adverse effect on our consolidated financial statements, results of operations and liquidity.

We record liabilities related to environmental remediation and related matters when estimated future expenditures are probable and reasonably estimable. We adjust such accruals as further information becomes available to us or as circumstances change. Unless the amounts and timing of such estimated future expenditures are fixed and reasonably determinable, we generally do not discount estimated future expenditures to their present value due to the uncertainty of the timing of the payout. We recognize recoveries of costs from other parties, if any, as assets when their receipt is deemed probable. At December 31, 2012 and 2013, we have not recognized any receivables for recoveries.

We do not know and cannot estimate the exact time frame over which we will make payments for our accrued environmental and related costs. The timing of payments depends upon a number of factors, including but not limited to the timing of the actual remediation process; which in turn depends on factors outside of our control. At each balance sheet date, we estimate the amount of our accrued environmental and related costs which we expect to pay within the next twelve months, and we classify this estimate as a current liability. We classify the remaining accrued environmental costs as a noncurrent liability.

The table below presents a summary of the activity in our accrued environmental costs during the past three years. The amount charged to expense is included in corporate expense on our Consolidated Statements of Operations.

	<b>Years ended December 31,</b>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>
	<b>(In thousands)</b>		
Balance at the beginning of the year	\$ 40,400	\$ 41,637	\$ 48,006
Additions charged to expense, net	11,326	14,467	68,929
Payments, net	(10,089)	(8,098)	(3,299)
Balance at the end of the year	<u>\$ 41,637</u>	<u>\$ 48,006</u>	<u>\$ 113,636</u>
Amounts recognized in the balance sheet:			
Current liability	\$ 7,301	\$ 5,667	\$ 4,859
Noncurrent liability	34,336	42,339	108,777
Total	<u>\$ 41,637</u>	<u>\$ 48,006</u>	<u>\$ 113,636</u>

Of the \$11.3 million net additions charged to expense in 2011, \$5.6 million relates to certain payments which have been discounted to their present value because the timing and amounts of such payments are fixed and determinable. Such payments aggregate \$6.0 million on an undiscounted basis (\$2.0 million that was paid in 2012 and \$1.0 million that was paid in 2013, and \$1 million that is due in each of 2014 through 2016) and were discounted to present value using a 3.0% discount rate. The aggregate \$.4 million discount is being charged to expense using the interest method in 2011 through 2016, and the amount of such discount charged to expense in any individual year is not material.

On a quarterly basis, we evaluate the potential range of our liability for environmental remediation and related costs at sites where we have been named as a PRP or defendant, including sites for which our wholly-owned environmental management subsidiary, NL Environmental Management Services, Inc., (EMS), has contractually assumed our obligations. At December 31, 2013, we had accrued approximately \$114 million related to approximately 45 sites associated with remediation and related matters that we believe are at the present time and/or in their current phase reasonably estimable. The upper end of the range of reasonably possible costs to us for remediation and related matters for which we believe it is possible to estimate costs is approximately \$154 million, including the amount currently accrued. Other than as indicated above, these accruals have not been discounted to present value.

We believe that it is not possible to estimate the range of costs for certain sites. At December 31, 2013, there were approximately 5 sites for which we are not currently able to estimate a range of costs. For these sites, generally the investigation is in the early stages, and we are unable to determine whether or not we actually had any association with the site, the nature of our responsibility, if any, for the contamination at the site and the extent of contamination at and cost to remediate the site. The timing and availability of information on these sites is dependent on events outside of our control, such as when the party alleging liability provides information to us. At certain of these previously inactive sites, we have received general and special notices of liability from the EPA and/or state agencies alleging that we, sometimes with other PRPs, are liable for past and future costs of remediating environmental contamination allegedly caused by former operations. These notifications may assert that we, along with any other alleged PRPs, are liable for past and/or future clean-up costs. As further information becomes available to us for any of these sites which would allow us to estimate a range of costs, we would at that time adjust our accruals. Any such adjustment could result in the recognition of an accrual that would have a material effect on our consolidated financial statements, results of operations and liquidity.

### ***Insurance coverage claims***

We are involved in certain legal proceedings with a number of our former insurance carriers regarding the nature and extent of the carriers' obligations to us under insurance policies with respect to certain lead pigment and asbestos lawsuits. The issue of whether insurance coverage for defense costs or indemnity or both will be found to exist for our lead pigment and asbestos litigation depends upon a variety of factors and we cannot assure you that such insurance coverage will be available.

We have agreements with four former insurance carriers pursuant to which the carriers reimburse us for a portion of our future lead pigment litigation defense costs, and one such carrier reimburses us for a portion of our future asbestos litigation defense costs. We are not able to determine how much we will ultimately recover from these carriers for defense costs incurred by us because of certain issues that arise regarding which defense costs qualify for reimbursement. While we continue to seek additional insurance recoveries, we do not know if we will be successful in obtaining reimbursement for either defense costs or indemnity. Accordingly, we recognize insurance recoveries in income only when receipt of the recovery is probable and we are able to reasonably estimate the amount of the recovery.

In October 2005 we were served with a complaint in *OneBeacon American Insurance Company v. NL Industries, Inc., et al.* (Supreme Court of the State of New York, County of New York, Index No. 603429-05). The plaintiff, a former insurance carrier, sought a declaratory judgment of its obligations to us under insurance policies issued to us by the plaintiff's predecessor with respect to certain lead pigment lawsuits filed against us. In March 2006, the trial court denied our motion to dismiss. In April 2006, we filed a notice of appeal of the trial court's ruling, and in September 2007, the Supreme Court – Appellate Division (First Department) reversed and ordered that the OneBeacon complaint be dismissed. The Appellate Division did not dismiss the counterclaims and cross claims.

In February 2006, we were served with a complaint in *Certain Underwriters at Lloyds, London v. Millennium Holdings LLC et al.* (Supreme Court of the State of New York, County of New York, Index No. 06/60026). The plaintiff, a former insurance carrier of ours, sought a declaratory judgment of its obligations to us under insurance policies issued to us by the plaintiff with respect to certain lead pigment lawsuits. This case is currently stayed.

Prior to 2011, we reached partial settlements with the plaintiffs in the two cases discussed above, pursuant to which the two former insurance carriers paid us an aggregate of approximately \$7.2 million in settlement of certain counter-claims related to past lead pigment and asbestos defense costs. In connection with these partial settlements, we agreed to dismiss the case captioned *NL Industries, Inc. v. OneBeacon America Insurance Company, et al.* (District Court for Dallas County, Texas, Case No. 05-11347), and in January 2009 we filed a notice of non-suit without prejudice in that matter. In March 2010, we filed a complaint in *NL Industries, Inc. v. OneBeacon America Insurance Company* (Supreme Court of the State of New York, County of New York, Index No. 108881-2009), to address the remaining claims from the New York state cases. In December 2013, we entered into a settlement agreement with OneBeacon, pursuant to which they agreed to reimburse us for certain contested past lead pigment litigation costs in the amount of \$3.9 million.

In January 2014, we were served with a complaint in *Certain Underwriters at Lloyds, London, et al v. NL Industries, Inc.* (Supreme Court of the State of New York, County of New York, Index No. 14/650103). The plaintiff, a former insurance carrier of ours, is seeking a declaratory judgment of its obligations to us under insurance policies issued to us by the plaintiff with respect to certain lead pigment lawsuits. The case is now proceeding in the trial court. We believe the action is without merit and intend to defend NL's rights in this action vigorously.

In February 2014, we were served with a complaint in *Zurich American Insurance Company, as successor-in-interest to Zurich Insurance Company, U.S. Branch vs. NL Industries, Inc. and The People of the State of California, acting by and through county Counsels of Santa Clara, Alameda, Los Angeles, Monterey, San Mateo, Solano and Ventura Counties and the city Attorneys of Oakland, San Diego, and San Francisco, et al* (Superior Court of California, County of Santa Clara, Case No.: 1-14-CV-259924). The Plaintiff, a former insurance carrier of ours, is seeking an Order of Deposit Under C.C.P § 572. This case is now proceeding in the trial court. We intend to defend NL's coverage rights in this action vigorously.

### **Other litigation**

In 2005, certain real property we owned that is subject to environmental remediation was taken from us in a condemnation proceeding by a governmental authority in New Jersey. The condemnation proceeds, the adequacy of which we disputed, were placed into escrow with a court in New Jersey. Because the funds were in escrow with the court and were beyond our control, we never gave recognition to such condemnation proceeds for financial reporting purposes. In October 2008 we reached a definitive settlement agreement with such governmental authority and a real estate developer, among others, pursuant to which, among other things, we would receive certain agreed-upon amounts in satisfaction of our claim to just compensation for the taking of our property in the condemnation proceeding at three separate closings, and we would be indemnified against certain environmental liabilities related to such property, in exchange for the release of our equitable lien on specified portions of the property at each closing. At the initial October 2008 closing, we received aggregate proceeds of \$54.6 million, comprising \$39.6 million in cash plus a promissory note in the amount of \$15.0 million in exchange for the release of our equitable lien on a portion of the property. The \$15.0 million promissory note bore interest at LIBOR plus 2.75%, with interest payable monthly and all principal due no later than October 2011. In April 2009, the second closing was completed, pursuant to which we received an aggregate of \$11.8 million in cash. In October 2011, we collected the full \$15.0 million due to us under the promissory note issued in connection with the first closing.

In May 2012, we reached an agreement with the New Jersey governmental authority and the real estate developer pursuant to which we received an aggregate of \$15.6 million cash for the third and final closing contemplated by the October 2008 settlement agreement associated with certain real property NL formerly owned in New Jersey. Upon receipt of these cash proceeds, our equitable lien on a portion of such property was released. For financial reporting purposes, we have accounted for the consideration received in each of the first, second and third closings contemplated by the October 2008 settlement agreement by the full accrual method of accounting for real estate sales (since the settlement agreement arose out of a dispute concerning the adequacy of the condemnation proceeds of our former real property in New Jersey). Under this method, we recognized a pre-tax gain of \$15 million in the second quarter of 2012 related to the third and final closing, based on the excess of the \$15.6 million cash received over our carrying value of the property from which our equitable lien was released. Similarly, the

cash consideration we received in each closing is reflected as an investing activity in our Consolidated Statement of Cash Flows.

We have been named as a defendant in various lawsuits in several jurisdictions, alleging personal injuries as a result of occupational exposure primarily to products manufactured by our former operations containing asbestos, silica and/or mixed dust. In addition, some plaintiffs allege exposure to asbestos from working in various facilities previously owned and/or operated by us. There are 1,130 of these types of cases pending, involving a total of approximately 1,643 plaintiffs. In addition, the claims of approximately 8,298 plaintiffs have been administratively dismissed or placed on the inactive docket in Ohio, Indiana and Texas state courts. We do not expect these claims will be re-opened unless the plaintiffs meet the courts' medical criteria for asbestos-related claims. We have not accrued any amounts for this litigation because of the uncertainty of liability and inability to reasonably estimate the liability, if any. To date, we have not been adjudicated liable in any of these matters. Based on information available to us, including:

- facts concerning historical operations,
- the rate of new claims,
- the number of claims from which we have been dismissed and
- our prior experience in the defense of these matters.

We believe that the range of reasonably possible outcomes of these matters will be consistent with our historical costs (which are not material). Furthermore, we do not expect any reasonably possible outcome would involve amounts material to our consolidated financial position, results of operations or liquidity. We have sought and will continue to vigorously seek, dismissal and/or a finding of no liability from each claim. In addition, from time to time, we have received notices regarding asbestos or silica claims purporting to be brought against former subsidiaries, including notices provided to insurers with which we have entered into settlements extinguishing certain insurance policies. These insurers may seek indemnification from us.

In addition to the litigation described above, we and our affiliates are also involved in various other environmental, contractual, product liability, patent (or intellectual property), employment and other claims and disputes incidental to present and former businesses. In certain cases, we have insurance coverage for these items, although we do not expect additional material insurance coverage for environmental matters.

We currently believe the disposition of all of these various other claims and disputes, individually and in the aggregate, should not have a material adverse effect on our consolidated financial position, results of operations or liquidity beyond the accruals already provided.

#### ***Concentrations of credit risk***

Component products are sold primarily in North America to original equipment manufacturers. The ten largest customers related to our continuing operations accounted for approximately 39% in 2011, 38% in 2012 and 42% in 2013. San Mateo Postal Data, a customer of CompX's Security Products business accounted for 13% of total sales in 2013. Harley Davidson, also a customer of CompX's Security Products business, accounted for approximately 13% of total sales in 2011 and 12% of total sales in each of 2012 and 2013.

#### ***Other***

Rent expense related to continuing operations, principally for CompX operating facilities and equipment was not significant in 2011, 2012 or 2013 and at December 31, 2013, future minimum rentals under noncancellable operating leases are also not significant.

#### ***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, as well as 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 computed in accordance with the tax allocation policy.

**Note 19 - Financial instruments:**

The following table summarizes the valuation of our short-term investments and marketable securities, all classified as a noncurrent asset, by the ASC Topic 820 categories as of December 31, 2012 and 2013:

	<b>Fair Value Measurements</b>			
	<b>Total</b>	<b>Quoted Prices in Active Markets (Level 1)</b>	<b>Significant Other Observable Inputs (Level 2)</b>	<b>Significant Unobservable Inputs (Level 3)</b>
(In thousands)				
<b>December 31, 2012 -</b>				
Marketable securities	\$ 179,662	\$ 179,662	-	-
<b>December 31, 2013 -</b>				
Marketable securities	\$ 252,677	\$ 252,677	-	-

The following table presents the financial instruments that are not carried at fair value but which require fair value disclosure as December 31, 2012 and 2013:

	<b>December 31, 2012</b>		<b>December 31, 2013</b>	
	<b>Carrying Amount</b>	<b>Fair Value</b>	<b>Carrying Amount</b>	<b>Fair Value</b>
(In thousands)				
Cash and cash equivalents, restricted cash equivalents and current marketable securities	\$ 85,035	\$ 85,035	\$ 57,639	\$ 57,639
CompX promissory note payable to TFMC	18,480	18,480	-	-
Noncontrolling interest in CompX common stock	13,268	23,409	13,615	23,119
NL stockholders' equity	374,815	557,259	355,380	544,174

The fair value of our noncontrolling interest in CompX and NL stockholder's equity are based upon quoted market prices at each balance sheet date, which represent Level 1 inputs as defined by ASC Topic 820-10-35. The fair value of our promissory notes payable and our variable interest rate debt represent Level 2 inputs and 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.



**Note 20 - Quarterly results of operations (unaudited):**

	Quarter ended			
	March 31	June 30	Sept. 30	Dec. 31
<b>(In thousands, except per share data)</b>				
<b>Year ended December 31, 2012</b>				
Net sales	\$ 20,428	\$ 22,147	\$ 21,281	\$ 19,340
Gross margin	6,012	6,509	6,310	5,496
Net income	21,247	26,245	10,347	21,243
Amounts attributable to NL stockholders:				
Income from continuing operations	\$ 20,475	\$ 25,199	\$ 8,508	\$ 2,548
Income from discontinued operations	574	774	1,499	14,959
Net income attributable to NL stockholders	<u>\$ 21,049</u>	<u>\$ 25,973</u>	<u>\$ 10,007</u>	<u>\$ 17,507</u>
Earnings per share:				
Income from continuing operations	\$ .42	\$ .51	\$ .18	\$ .05
Discontinued operations	.01	.02	.03	.31
Net income attributable to NL stockholders	<u>\$ .43</u>	<u>\$ .53</u>	<u>\$ .21</u>	<u>\$ .36</u>

	Quarter ended			
	March 31	June 30	Sept. 30	Dec. 31
<b>(In thousands, except per share data)</b>				
<b>Year ended December 31, 2013</b>				
Net sales	\$ 21,453	\$ 24,039	\$ 24,209	\$ 22,344
Gross margin	6,020	7,610	7,514	6,430
Net loss	(1,998)	(14,018)	(5,684)	(32,843)
Net loss attributable to NL stockholders	<u>\$ (2,118)</u>	<u>\$ (14,255)</u>	<u>\$ (5,940)</u>	<u>\$ (33,020)</u>
Loss per common share attributable to NL stockholders	<u>\$ (.04)</u>	<u>\$ (.29)</u>	<u>\$ (.12)</u>	<u>\$ (.68)</u>

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.

We recognized the following amounts in 2012 related to continuing operations:

- aggregate pre-tax income of \$3.3 million (\$1.1 million, \$.3 million, \$1.2 million, and \$.7 million in the first, second, third, and fourth quarter, respectively), related to insurance recoveries, see Note 18,
- \$15.0 million pre-tax gain in the second quarter related to a settlement agreement for certain environmental properties, see Note 18,
- \$1.4 million (\$.9 million net of tax) included in our equity in net income of Kronos in the second quarter related to Kronos' charge for the early extinguishment of its remaining 6.5% Senior Notes due 2013,
- \$1.1 million (\$.7 million net of tax) included in our equity in net income of Kronos in the fourth quarter represents a correction of Kronos' income tax provision that should have been recognized in the third quarter 2011 and is not material to any current or prior periods,
- \$3.2 million pre-tax gain on the sale of certain real property in the fourth quarter, see Note 17,
- \$16.6 million pre-tax gain on the sale of TIMET common stock in the fourth quarter, see Note 6 and
- \$6.4 million pre-tax loss on the write-off of goodwill related to our insurance brokerage subsidiary in the fourth quarter, see Note 8.

We recognized the following amounts in 2012 related to discontinued operations:

— \$23.7 million pretax gain on the sale of CompX's Furniture Components operations in the fourth quarter, see Note 2.

We recognized the following amounts in 2013 related to continuing operations:

- aggregate pre-tax income of \$9.4 million (\$0.6 million, \$0.9 million, \$2.2 million, and \$5.7 million in the first, second, third, and fourth quarter, respectively), related to insurance recoveries, see Note 18,
- \$6.8 million (\$4.5 million net of tax) charge included in our equity in net loss of Kronos related to Kronos' third quarter litigation settlement charge.
- an aggregate charge of \$1.8 million (\$1.1 million net of tax) included in our equity in net loss of Kronos related to Kronos' voluntary prepayments of its term loan (\$290 million principal amount in the first quarter and the remaining \$100 million outstanding in the third quarter) consisting of the write-off of original issue discount costs and deferred financing costs associated with such prepayments.
- An aggregate charge of \$6.3 million (\$4.1 million net of tax) included in our equity in net loss of Kronos related to Kronos' unabsorbed fixed production and other costs as a result of its Canadian plant lockout in the third and fourth quarters as well as a pension curtailment charge and severance and other back-to-work expenses associated with reaching terms of the new Canadian collective bargaining agreement. Approximately \$1.6 million (\$1.1 million net of tax) million of the costs (primarily related to unabsorbed fixed production costs) related to the third quarter of 2013 with the remaining costs recognized in the fourth quarter of 2013.

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

\$40,000,000.00

December 31, 2013

**Section 1. *Promise to Pay.*** For and in consideration of value received, the undersigned, NL Industries, Inc., a corporation duly organized under the laws of the state of New Jersey (“*Borrower*”), promises to pay, in lawful money of the United States of America, to the order of Valhi, Inc., a corporation duly organized under the laws of the state of Delaware (“*Valhi*”), or the holder hereof (as applicable, Valhi or such holder shall be referred to as “*Noteholder*”), the principal sum of FORTY MILLION and NO/100ths United States Dollars (\$40,000,000.00) or such lesser amount as shall equal the unpaid principal amount of the loan made by Noteholder to Borrower together with interest on the unpaid principal balance from time to time pursuant to the terms of this Fourth 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 17** of this Note.

**Section 2. *Amendment and Restatement.*** This Note renews, replaces, amends and restates in its entirety the Third Amended and Restated Unsecured Revolving Demand Promissory Note dated December 31, 2012 in the original principal amount of \$40,000,000.00 payable to the order of Noteholder and executed by Borrower (the “*Third Amended Note*”). The Third Amended Note renewed, replaced, amended and restated in its entirety The Second Amended and Restated Unsecured Revolving Demand Promissory Note dated December 13, 2011 in the original principal amount of \$40,000,000.00 payable to the order of Noteholder and executed by Borrower (the “*Second Amended Note*”). The Second Amended Note renewed, replaced, amended and restated in its entirety the First Amended and Restated Unsecured Revolving Demand Promissory Note dated December 31, 2010 in the original principal amount of \$40,000,000.00 payable to the order of Noteholder and executed by Borrower (the “*First Amended Note*”). The First Amended Note renewed, replaced, amended and restated in its entirety the Unsecured Revolving Demand Promissory Note dated June 23, 2010 in the original principal amount of \$40,000,000.00 payable to the order of Noteholder and executed by Borrower (the “*Original Note*”). This Note renews, replaces, amends and restates in its entirety the Third Amended Note, the Second Amended Note, the First Amended Note and the Original Note (collectively, the “*Prior Notes*”); provided that such amendment and restatement shall operate to renew, amend and modify the rights and obligations of the parties under each Prior Note, as provided herein, but shall not extinguish the obligations under each Prior Note, nor effect a novation thereof. As of the close of business on December 31, 2013, the unpaid principal balance of the Third Amended Note was nil and the accrued and unpaid interest thereon was nil, which are the principal and accrued and unpaid interest 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 Noteholder may from time to time appoint in writing.

**Section 4. *Payments.*** The unpaid principal balance of this Note and any unpaid and accrued interest thereon shall be due and payable on the Final Payment Date. Prior to the Final Payment Date, any unpaid and accrued 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, 2014. 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 \$40,000,000.00; 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 two and three-quarters percent (2.75%). 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 Noteholder exceed the Maximum Rate. If, from any circumstances whatsoever, 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, 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 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 at all times been in effect. 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 at all times been in effect with respect thereto, 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 at all times been in effect 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. Remedy.** Upon the occurrence and during the continuation of an Event of Default, Noteholder shall have all of the rights and remedies provided in the applicable Uniform Commercial Code, this Note or any other agreement with Borrower and in favor of 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 Noteholder, 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 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 9. Right of Offset.** Noteholder shall have the right of offset against amounts that may be due by Noteholder now or in the future to Borrower against amounts due under this Note.

**Section 10. 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 Borrower under this Note to repay the principal balance outstanding and all accrued or accruing interest.

**Section 11. 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 Noteholder for payment under this Note.

**Section 12. Costs and Attorneys' Fees.** In addition to any other amounts payable to Noteholder pursuant to the terms of this Note, in the event 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 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 13. *Time of Essence.*** Time is of the essence with respect to all of Borrower's obligations and agreements under this Note.

**Section 14. *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 15. *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 Noteholder shall be the place of payment specified in **Section 3** or such other place as Noteholder may specify in writing to Borrower and (ii) to Borrower shall be the address below Borrower's signature or such other place as Borrower may specify in writing to Noteholder.

**Section 16. *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 Noteholder.

**Section 17. *Definitions.*** For purposes of this Note, the following terms shall have the following meanings:

- (a) "***Business Day***" shall mean any day banks are open in the state of Texas.
- (b) "***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.
- (c) "***Event of Default***" wherever used herein, means any one of the following events:
  - (i) 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) 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 Borrower by 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.
- (d) "***Final Payment Date***" shall mean the earlier of:
  - written demand by Noteholder for payment of all or part of the principal and interest accrued and unpaid thereon, but in any event no earlier than March 31, 2015;
  - December 31, 2015; or
  - acceleration as provided herein.
- (e) "***Maximum Rate***" shall mean the highest lawful rate permissible under applicable law for the use, forbearance or detention of money.
- (f) "***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.

**BORROWER:**

**NL Industries, Inc.**

By: \_\_\_\_\_  
*John A. St. Wrba, Vice President and Treasurer*

Address:

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

As of the date hereof, Valhi, Inc., as Noteholder, hereby agrees that this Note renews, replaces, amends and restates in its entirety each Prior Note (but shall not extinguish the obligations under each Prior Note, nor effect a novation thereof) and that the unpaid principal of nil and the accrued and unpaid interest thereon of nil that was owed under the Third Amended Note as of the close of business on December 31, 2013 are the unpaid principal and the accrued and unpaid interest thereon, respectively, owed under this Note as of the close of business on the date of this Note.

**Valhi, Inc.**

By: \_\_\_\_\_  
*Gregory M. Swalwell*  
*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, 2013 (1)</u>
CompX International Inc. (2)	Delaware	87
Kronos Worldwide, Inc. (3)	Delaware	30
EWI RE, Inc.	New York	100
EWI RE (UK), LIMITED	United Kingdom	100
NL Environmental Management Services, Inc.	New Jersey	100
The 1230 Corporation	California	100
United Lead Company	New Jersey	100

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

(2) Subsidiaries of CompX International Inc. are incorporated by reference to Exhibit 21.1 of CompX's Annual Report on Form 10-K for the year ended December 31, 2013 (File No. 1-13905)

(3) Subsidiaries of Kronos Worldwide, Inc. are incorporated by reference to Exhibit 21.1 of Kronos' Annual Report on Form 10-K for the year ended December 31, 2013 (File No. 1-31763)

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 (No. 333-181792) of NL Industries, Inc. of our report dated March 12, 2014 relating to the consolidated financial statements and the effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP

Dallas, Texas  
March 12, 2014



**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 (No. 333-181792) of NL Industries, Inc. of our report dated March 12, 2014 relating to the consolidated financial statements and the effectiveness of internal control over financial reporting of Kronos Worldwide, Inc., which is incorporated by reference in this Form 10-K.

/s/ PricewaterhouseCoopers LLP

Dallas, Texas  
March 12, 2014

**CERTIFICATION**

I, Robert D. Graham, certify that:

- 1) I have reviewed this annual report on Form 10-K of NL Industries, 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 12, 2014

/s/Robert D. Graham

Robert D. Graham

Vice Chairman, President and Chief Executive Officer

**CERTIFICATION**

I, Gregory M. Swalwell certify that:

- 1) I have reviewed this annual report on Form 10-K of NL Industries, 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 12, 2014

/s/Gregory M. Swalwell  
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 NL Industries, Inc. (the Company) on Form 10-K for the year ended December 31, 2013 as filed with the Securities and Exchange Commission on the date hereof (the Report), I, Robert D. Graham, Vice Chairman, President and 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/ Robert D. Graham

Robert D. Graham

Vice Chairman, President and Chief Executive Officer

/s/ Gregory M. Swalwell

Gregory M. Swalwell

Chief Financial Officer

March 12, 2014

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.

