EXHIBIT 4

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 <u>December 31, 2015</u>

Commission file number 1-5467

VALHI, INC.

(Exact name of Reg strant as spec fied p at charter)

Delaware (State or other juried et ou of Incorporation or organization) 87-0110150 (IRS Employer Ident f cat on No.)

5430 LBJ Freeway, Suite 1700, Dailas, Toxas (Address of principal executive offices) 75240-2697 (Zp Code) .

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

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

T the of each class

Common stock (\$ 0 par value per share)

Name of each exchange on which registered
New York Stock Exchange

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

None.	
Indicate by check mark:	
If the Registrant is a well known seasoned issuer, as defined in Rule 405 of the Securities Act Yo	s 🗆 No 🖾
If the Registrent is not required to file reports pursuant to Section 3 or Section 5(d) of the Act	Yes □ No 図
Whether the Registrant () has filed all reports required to be filed by Section 3 or 5(d) of the months (or for such shorter period that the Registrant was required to file such reports), and (2) I days Yes 🗵 No 🗆	Securities Exchange Act of 934 during the preceding 2 as been subject to such filing requirements for the past 90
Whether the registrant has submitted electronically and posted on its corporate Web site, if any posted pursuant to Rule 405 of Regulation S T during the preceding 2 months (or for such short such files) Yes 🗵 No 🗋	experiod that the registrant was required to submit and post
If disclosure of delinquent filers pursuant to Item 405 of Regulation S K is not contained her knowledge, in definitive proxy or information statements incorporated by reference in Part II K. Yes \square No \boxtimes	ein, and will not be contained, to the best of Registrant's I of this Form 0 K or any amendment to this Form 0
Whether the Registrant is a large accelerated filer, an accelerated filer or a non-accelerated filer of the Act)	re smaller reporting company (as defined in Rule 2b 2 of
Large accelerated filer	Accelerated filer
Non secolerated filer	Smaller reporting company 💢
Whether the Registrant is a shell company (as defined in Rule 2b 2 of the Act) Yes 🗆 No 🖾	
The aggregate market value of the 9 million shares of voting common stock held by nonaffilial of the Registrant's most recently completed second fiscal quarter) approximated \$-08.2 million	ates of Valhi, Inc. as of June 30, 20-5 (the last business day
As of March 4, 20 6, 339, 42,949 shares of the Registrant's common stock were outstanding	
Documents incorporated by reference	<u> </u>
The information required by Part III is incorporated by reference from the Registrant's definitive p Regulation 4A not later than 20 days after the end of the fiscal year covered by this report	roxy statement to be filed with the Commission pursuant to
	<u> </u>

PART I

ITEM 1. BUSINESS

. Valhi, Inc. (NYSE: VHI) is primarily a holding company. We operate through our wholly owned and majority owned subsidiaries, including NL Industries, Inc., Kronos Worldwide, Inc., CompX'International Inc. and Waste Control Specialists LLC ("WCS"). Kronos (NYSE: KRO), NL (NYSE: NL) and CompX (NYSE MKT: CIX) each file periodic reports with the U.S. Securities and Exchange Commission ("SEC").

Our principal executive offices are located at Three Lincoln Center 5430 LBJ Precway, Suite 700, Dallas, Texas 75240 Our telephone number is (972) 233 700 We maintain a worldwide website at www yathi net

Brief History

LLC Corporation, our legal predecessor, was incorporated in Delaware in 932. We are the successor company of the 987 merger of LLC Corporation and another entity controlled by Contran Corporation. One of Contran's wholly owned subsidiaries held approximately 93% of Valhi's outstanding common stock at December 3, 20, 5, As discussed in Note—to our Consolidated Pinancial Statements, Lisa K. Simmons and Serena Simmons Connelly may be deemed to control Contran and us

Key events in our history include:

- 979 Contran acquires control of LLC;
- 98 Contran acquires control of our other predecessor company;
- 982 Contran acquires control of Keystone Consolidated Industries, Inc., a predecessor to CompX;
- 984 Keystone spins off an entity that includes what is to become CompX; this curity subsequently merges with LLC;
- 986 Contran acquires control of NL, which at the time owns 00% of Kronos and a 50% interest in Titanium Metals Corporation
 ("TOMET");
- 987 LLC and another Contran controlled company merge to form Valhi, our current corporate attucture;
- 988 NL spins off an entity that includes its investment in TIMET;
- 995 WCS begins stan up operations;
- 996 TIMET completes an initial public offering;
- 2003 NL completes the spin off of Kronne through the pro rara distribution of Kronne shares to its shareholders including us;
- 2004 through 2005 Nl, distributes Kromae shares to its shareholders, including us, through quarterly dividends;
- 2007 We distribute all of our TIMBT common stock to our shareholders through a stock dividend;
- Z008 WCS receives a license for the disposal of byproduct material and begins construction of the byproduct facility infrastructure;
- 2009 WCS receives a license for the disposal of Class A, B and C low level radioactive waste ("LLRW") and completes construction of
 the byproduct facility;
- 20 0 Kronos completes a secondary offering of its common stock lowering our ownership of Kronos to 80%;
- WCS begins construction on its Compact and Federal "LLRW" and mixed LLRW disposal facilities;
- 20 2 WCS completes construction of its Compact and Federal LLRW disposal facilities and commences operations at the Compact facility;
- 20 2 In December we sell all of our remaining interest in TIMET and TIMET is no longer our affiliane;
- 20 2 In December CompX completes the sale of its familiare components business;
- 20 3 WCS commences operations at the Federal LLRW facility;

- 20.3 In December we purchased an additional ownership interest in and became the majority owner of Basic Management, Inc. and The LandWell Company; both companies are now included in our Consolidated Financial Statements effective December 3...20...3;
- . 20 5 The first homes in our Cadence planned community were completed by third party builders and sold to the public; and
- 20 5 In November we entered into an agreement for the sale of WCS which is expected to close in the first half of 20 6

Unless otherwise indicated, references in this report to "we", "us" or "our" refer to Valhi, Inc. and its subsidiaries, taken as a whole

Forward-Looking Statements

This Annual Report on Form 0 K contains forward looking statements within the meaning of the Private Securities Litigation Reform Act of 995, as amended Statements in this Annual Report that are not historical facts are forward looking in nature and tepresent 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:

- Purise supply and demand for our products;
- The extent of the dependence of certain of our businesses on certain market sectors;
- The cyclicality of certain of our businesses (such as Kronos' TiO2 operations);
- Customer and producer 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, zine 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 materials (such as ore);
- General global economic and political conditions (such as changes in the level of gross domostic product in various regions of the world and the impact of such changes on demand for, among other things, TiO2 and component products);
- Competitive products and prices and substitute products, including increased competition from low cost manufacturing sources (such as China);
- Possible disruption of our business or increases in the cost of doing business resulting from terrorist activities or global conflicts;
- Customer and competitor strategies;
- Potential difficulties in integrating future acquisitions;
- Potential difficulties in upgrading or implementing new accounting and manufacturing software systems;
- Potential consolidation of our competitors;
- Potential consolidation of our customers;
- The impact of pricing and production decisions;
- Competitive technology positions;
- The introduction of made barriers;

- The ability of our subsidiaries to pay us dividends;
- The impact of current or four egovernment regulations (including employee healthcare benefit related regulations);
- Uncertainties associated with new product dovelopment and the development of new product features;
- Fluctuations in currency exchange rates (such as changes in the exchange rate between the US 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 or other currencies;
- 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;
- The timing and amounts of insurance recoveries;
- Our ability to renew, amend, refinance or establish credit facilities;
- Our shility to maintain sufficient liquidity;
- The ultimate outcome of income tax audits, tax settlement initiatives or other tax matters;
- Our ultimate shifting to utilize income tax attributes, the benefits of which may not presently 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
 abligations on former manufacturers of lead pigment and lead based point, including NL, with respect to asserted health concerns
 associated with the use of such products);
- The ultimate resolution of pending litigation (such as NL's lead pigment litigation, environmental and other litigation and Kronos' class action litigation);
- Our ability to comply with covenants contained in our revolving bank credit facilities;
- Our ability to complete and comply with the conditions of our licenses and permits;
- Our ability to successfully defend against any possible future challenge to WCS' operating licenses and permits;
- Unexpected delays in the operational start up of shipping containers produced by WCS;
- Changes in real estate values and construction costs in Henderson, Nevada;
- Water levels in Lake Mead; and
- Possible future litigation

Should one or more of chese risks materialize (or the consequences of such 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

Segments

We have four consolidated reportable operating segments at December 3, 20, 5;

Chemicals

Kronos Worldwide, Inc.

Component Products
CompX International Inc

Waste Management
Waste Control Specialists LLC

Real Estate Management and Development
Basic Management, Inc. and The LandWell Company

Our chemicals segment is operated through our majority control of Kronos Kronos is a leading global producer and marketer of value added titanium dioxide pigments ("TiO2") TiO2 is used to impant whiteness, brightness, opacity and durability to a wide variety of products, including paints, plastics, paper, fibers and ceramics Additionally, TiO2 is a critical component of everyday applications, such as coatings, plastics and paper, as well as many specialty products such as inks, foods and cosmetics

We operate to the component products industry through our majority control of CompX CompX is a leading manufacturer of security products used in the recreational transportation, postal, office and institutional furniture, cabinetry, tool storage, healthcare and a variety of other industries. CompX is also a leading manufacturer of stainless steel exhaust systems, gauges, throttle controls and trim tabs for the recreational marine industry.

WCS is our subsidiary which operates a West Texas facility for the processing, treatment, storage and disposal of a broad range of low level radioactive, hazardows, toxic and other wastes WCS obtained a byproduct disposal license in 2008 and began disposal operations at this facility in October 2009 WCS received a LLRW disposal license in September 2009 The Compact LLRW disposal facility commenced operations in 20 2, and the Federal LLRW commenced operations in 20 3. We reached an agreement for the sale of our Waste Management Segment in November 20 5. See Note 3 to our Consolidated Financial Statements.

We operate in real estate management and development through our majority control of BMI and LandWell BMI provides utility services to certain industrial and municipal customers and owns real property in Henderson, Nevada LandWell is engaged in efforts to develop certain land holdings for commercial, industrial and residential purposes in Henderson, Nevada In December 20-3, we acquired a controlling interest in each of these companies, and they are included in our results of operations and cash flows beginning on January 1,20-4 See Note 3 to our Consolidated Financial Statements

Par additional information about our segments and equity investments see "Part II Irem 7 Management's Discussion and Analysis of Financial Condition and Results of Operations" and Notes 2 and 7 to our Consolidated Financial Statements

CHEMICALS SEGMENT KRONOS WORLDWIDE, INC.

Business Overview

Through our majority controlled subsidiary, Kronos, we are a leading global producer and marketer of value added titanium dioxide pigments, or TiO2, a base industrial product used in a wide range of applications. We, along with our distributors and agents, sell and provide technical services for our products to approximately 4,000 customers in .00 countries with the majority of sales in Europe and North America. We believe we have developed considerable expentise and efficiency in the manufacture, sale, shipment and service of our products in domestic and international markets

TiO2 is a white inorganic pigment used in a wide range of products for its exceptional durability and its ability to import whiteness, brightness and opacity. TiO2 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. TiO2 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. TiO2 is designed, marketed and sold based on specific end use applications.

TiO2 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, TiO2 has excellent resistance to interaction with other chemicals, good thermal stability and resistance to ultraviolet degradation. Although there are other white pigments on the market, we believe there are no effective substitutes for TiO2 because no other white pigment has the physical properties for achieving comparable spacity and brightness orders be incorporated in as cost effective a manner. Pigment extenders such as kaolin clays, calcium carbonate and polymeric opacitiots are used together with TiO2 in a number of end use markets. However, these products are not able to duplicate the opacity performance characteristics of TiO2 and we believe these products are unlikely to have a significant impact on the use of TiO2.

TiOn is considered a "quality of life" product. Demand for TiOn 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, TiOn consumption has grown at a compound annual growth rate of approximately 3.0% since 990. Per capita consumption of TiOn 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 TiOn on a per capita basis. We believe that Western Europe and North America currently account for approximately 20% and 8% of global TiOn consumption, respectively. Markets for TiOn are generally increasing in South America, Eastern Europe, the Asia Pacific region and China and we believe these are significant markets where we expect continued growth as economies in these regions continue to develop and quality of life products, including TiOn, experience greater demand.

Products and End-use Markets

Including our predecessors, we have produced and marketed TiO2 in North America and Europe, our primary markets, for almost 00 years. We believe that we are the largest producer of TiO2 in Burope with approximately one half of our sales volumes attributable to markets in Burope. The table below shows our market share for our significant markets, Europe and North America, for the last three years

			 2013	2014		2015	
Burape	٧.	73	 . 8%		8%.	· ·	. 8%
North America			8%		7%		5%

We believe we are the leading selfer of TiO2 in several countries, including Germany, with an estimated 9% share of worldwide TiO2 sales volume in 20-5. Overall, we are one of the top five producers of TiO2 in the world

We offer our customers a broad portfolio of products that include over 40 different TiO2 pigment grades under the Kronos[®] trademark, which provide a variety of performance properties to meet customers' specific requirements. Our major customers include domestic and international paint, plastics, decorative laminate and paper manufacturers. We ship TiO2 to our customers in either a powder or slurry form via mil, truck and/or ocean carrier. Sales of our core TiO2 pigments represented approximately 90% of our not sales in 20-5. We and our agents and distributors primarily sell our products in three major end use markets: coatings, plastics and paper.

The following tables show our approximate TiO2 sales volume by geographic region and end use for the year ended December 3, 20, 5:

	Sales yolomes percentages by geograph c region			Sales volumes percentages by end-use	
Burope	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	52% 10%	Coatings Plastics		
North America Asia Pacific			Other	· · · · · · · · · · · · · · · · · · ·	9%
Rest of World		%	Paper		5%

Some of the principal applications for our products include the following

TiO1 for coatings. Our TiO2 is used to provide opacity, durability, tinting strength and brightness in industrial coatings, as well as coatings for commercial and residential interiors and exteriors, automobiles, aircraft, machines, appliances, traffic paint and other special purpose coatings. The amount of TiO2 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 TiO2 content.

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

TiOs for paper. Our TiOs is used in the production of several types of paper, including laminate (decorative) paper, filled paper and coated paper to provide whiteness, brightness, opacity and color stability. Although we sell our TiOs to all segments of the paper end use market, our primary focus is on the TiOs 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 TiOs and plastic resin and is the layer that is printed with decorative patterns. Paper laminates are used to replace materials such as wood and title for such applications as counter tops, familiare and wallboard. TiOs 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.

TiO2 for other applications. We produce TiO2 to improve the opacity and hiding power of printing inks. TiO2 allows take to achieve very high print quality while not interfering with the technical requirements of printing machinery, including law abrasion, high printing speed and high temperatures. Our TiO2 is also used in textile applications where TiO2 functions as an opacifying and delustering agent. In man made fibers such as rayon and polyester, TiO2 corrects an otherwise undesirable glossy and translucent appearance. Without the presence of TiO2, these materials would be unsuitable for use in many textile applications.

We produce high purity sulfate process anatase TiO2 used to provide opacity, whiteness and brightness in a variety of cosmotic and personal care products, such as skin cream, lipstick, eye shadow and toothpaste. Our TiO2 is also found in fixed products, such as candy and confectionaries, and in pet foods where it is used to obtain uniformity of color and appearance. In pharmaceuticals, our TiO2 is used commonly as a colorant in pill and capsulo cosmings as well as in liquid medicines to provide uniformity of color and appearance. Kronos® purified anatase grades meet the applicable requirements of the CTFA (Connetics, Toiletries and Fragrances Association), USP and BP (United States Pharmacopoeia and British Pharmacopoeia) and the FDA (United States Food and Drug Administration)

Our TiO2 business is enhanced by the following three complementary businesses, which comprised approximately 0% of our net sales in 20 5:

- We own and operate two ilmenite mines in Norway pursuant to a governmental concession with an unlimited term. Ilmenite is a raw material used directly as a foodstock by some sulfate process TiO2 plants. We believe that we have a significant competitive advantage because our mines supply our feedstock requirements for all of our European sulfate process plants. We also sell ilmenite our to third parties, some of whom are our competitors, and we sell an ilmenite based specialty product to the oil and gas industry. The mines have estimated ilmenite reserves that are expected to last at least 50 years.
- We manufacture and sell iron based chemicals, which are co products and processed co products of the sulfate and chloride process TiO2
 pigment production. These co product chemicals are marketed through our Ecochem division and are primarily used as treatment and
 conditioning agents for industrial effluents and municipal wastewater as well as in the manufacture of iron pigments, cement and agricultural
 products.
- We manufacture and sell titanium oxychloride and titanyl sulfate, which are side sucam specialty products from the production of TiO2 Titanium oxychloride is used in specialty applications in the formulation of pearlescent pigments, production of electroceramic capacitors for cell phones and other electronic devices. Titanyl sulfate productions are used in pearlescent pigments, natural gas pipe and other specialty applications.

Manufacturing, operations and properties

We produce TiO2 in two crystalline forms: rufile and analyse. Rufile TiO2 is manufactured using both a chloride production process and a sulfate production process, whereas analyse TiO2 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 TiO2. 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 TiO2 industry sales represented by chloride process pigments has increased relative to sulfate process pigments, and in 20-5, chloride process production facilities represented approximately 49% 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 TiO2 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 TiO2. 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 sange of properties.
- Sulface process: The sulface process is a batch process in which sulface acid is used to extract the TiO2 from ilmenite or ritanium slag. After separation from the impurities in the ore (majorly iron), the TiO2 is precipitated and calcined to form an intermediate base pigment ready for sale or can be upgraded through finishing treatments.

We produced 528,000 metric tons of TiO2 in 20-5, up from the 5-,000 metric tons we produced in 20-4. Our production amounts include our share of the output produced by our TiO2 manufacturing joint venture discussed below in "TiO2 Manufacturing Joint Venture". Our average production capacity utilization rates were approximately 86%, 92% and 95% of capacity in 20-3, 20-4 and 20-5, respectively. Our production utilization rates in 20-3 were impacted by the previously reported lockout at our Canadian production facility that began in June 20-3. We operated our Canadian plant at approximately 5% of the plant's capacity with non-union management employees during the lockout. Our production stees in 20-4 were also impacted by such lockout, as restart of production at the facility did not begin until February 20-4. Our production rates in 20-4 and in the first quarter of 20-5 were also impacted by the implementation of certain productivity enhancing improvement projects at other facilities, as well as necessary improvements to ensure continued compliance with our permit regulations, which resulted in longer than normal maintenance shutdowns in some instances

We operate four TiO2 plants in Europe (one in each of Leverkusen, Germany; Nordenham, Germany; Langerbrugge, Belgium; and Fredrikstad, Norway). In North America, we have a TiO2 plant in Varennes, Quebec, Canada and, through the manufacturing joint venture described below in "TiO2 Manufacturing Joint Venture," a 50% interest in a TiO2 plant in Lake Charles, Louisiana.

Our production capacity in 20-5 was \$55,000 metric tong, approximately three fourths of Which was from the chloride production process

The following table presents the division of our expected 20 6 manufacturing capacity by plant location and type of manufacturing process:

% of capac to by TO2

		manufaciur i	r& Jano cess
Bac t ty	Description	Chlor de	Sulfato
Leverkusen, Germany ()	TiO2 production, chloride and sulfate process, eo products	39%	
Nordenham, Germany	TiO2 production, sulfate process, co products		39
Langerbrugge, Belgium	TiO2 production, chloride process, co products, titanium chemicals		
	products	. 2	
Predrikstad, Norway (2)	TiO2 production, sulfate process, co products		23
Varennes, Canada	TiOz production, chloride and sulfate process, sluny facility, titanium	. 2	
	chemicals products		
Lake Charles, LA, US (3)	TiO2 production, chloride process	<u> </u>	
Total		00%	;. 00%

- () The Leverkusen facility is located within an extensive manufacturing complex oward by Bayer AG. We own the Leverkusen facility, which represents about one third of our current TiO2 production capacity, but we lease the land under the facility from Bayer under a long term agreement which expires in 2050. Lease payments are periodically negotiated with Bayer for periods of at least two years at a time. A majority owned subsidiary of Bayer provides some raw materials including chlorine, auxiliary and operating materials, utilities and services necessary to operate the Leverkusen facility under separate supplies and services agreements.
 - The Fredrikstad plant is located on public land and is leased until 2063.
- (3) We operate 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 TiO2 produced by the joint venture to which we are entitled. See Note 7 to our Consolidated Financial Statements and "TiO2 Manufacturing Joint Venture"

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

Our production capacity has increased by approximately 2% over the past ten years due to debottlenecking programs, with only moderate capital expenditures. We believe that our annual attainable production capacity for 20 6 is approximately 555,000 metric tons, and we currently expect our production capacity rate will be at near capacity levels in 20 6

We also operate two ilmenite mines in Norway pursuant to a governmental concession with an unlimited term. In addition, we operate a rutile slurry manufacturing plant in Lake Charles, Louisians, which converts dry pigment manufactured for us at the Lake Charles TiO2 facility into a slurry form that is then shipped to currentees

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

TiO2 Manufacturing Joint Venture

Kronos Louisians, Inc., one of our subsidiaries, and Tioxide each own a 50% interest in a manufacturing joint venture. Louisians Pigment Company, LP, or LPC the owns and operates a chloride process TiO2 plant located in Lake Charles, Louisians. We and Huntsman share production from the plant equally pursuant to separate offiske agreements, unless we and Huntsman otherwise agree (such as in 20-5, when we purchased approximately 52% of the production from the plant)

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

The joint venture is not consolidated in our financial statements, because we do not control if. We account for our interest in the joint venture by the equity method. The joint venture operates on a break even basis and therefore we do not have any equity in samings of the joint venture. We are required to purchase one half of the TiO2 produced by the joint venture. All costs and capital expenditures are shared equally with Huntsman with the exception of feedstock (purchased natural rutile ore or slag) and packaging costs for the pigment grades produced. Our share of not costs is reported as cost of sales as the TiO2 is sold. See Note 7 to our Consolidated Financial Statements.

Raw materials

The primary raw materials used in chloride process TiOz are transium containing feedstock (purchased natural ruttle 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. We purchase chloride process grade slag from Rio Tinto from and Titanium Limited under a long term supply contract that expires at the end of 20.8, subject to two year renewal periods if both parties agree. We also purchase upgraded slag from Rio Tinto from and Titanium Limited under a long term supply contract that expires at the end of 20.9. We purchase natural putile one under contracts primarily from Buka Resources, Limited and Siona Rutile Limited, all of which expire in 20.6. In the past we have been, and we expect that we will continue to be, successful in obtaining short term and long term extensions to these and other existing supply contracts prior to their expiration. We expect the raw materials purchased under these contracts, and contracts that we may enter into, will meet our chloride process feedstock requirements over the next several years.

The primary raw materials used in sulfate process TiO2 are titanium containing feedstock, primarily ilmenite or purchased sulfate grade slag and sulfuric acid. Sulfuric acid is available from a number of suppliers. Tranium containing feedstock suitable for use in the sulfate process is available from a limited number of suppliers principally in Norway, Canada, Australia, India and South Africa. As one of the few vertically integrated producers of sulfate process TiO2, we operate two rock ilmenite mines in Norway, which provided all of the feedstock for our European sulfate process TiO2 plants in 20.5. We expect ilmenite production from our mines to meet our European sulfate process feedstock requirements for the foreseeable future. For our Canadian sulfate process plant, we purchase sulfate grade slag primarily from Rio Tinto Per et Tifane Inc. under a supply contract that renews annually, subject to termination upon twelve months written notice. We expect the raw materials purchased under these contracts, and contracts that we may enter into, to meet our sulfate process feedstock requirements over the next several years.

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

The following table summarizes our raw materials purchased or mined in 20-5

Product on process/raw mater al		any mater als cured or mined
		In thousands f metric tone)
Chloride process plants Purchased slag or rutile ore		45
Sulfate process plants: Ilmenite are mined and used i Purchased slag	nternálly	323 0

Sales and Marketing

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

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

We sell a majority of our products through our direct sales force operating from six sales offices in Europe and one sales office in North America. We also utilize sales agents and distributors who are authorized to sell our products in specific geographic areas. In Europe, our sales efforts are conducted primarily through our direct sales force and our sales agents. Our agents do not sell any TiO2 products other than Kronos® brand products. In North America, our sales are made primarily through our direct sales force and supported by a network of distributors. In addition to our direct sales force and sales agents, many of our sales agents also act as distributors to service our smaller customers in all regions. We offer customer and technical service to the customers who purchase our products through distributors as well as to our larger customers serviced by our direct sales force.

We sell to a diverse customer base with only one customer representing 0% or more of our sales in 20-5 (Behr Process Corporation 0%). Our largest ten customers accounted for approximately 34% of sales in 20-5

Neither our business as a whole nor any of our principal product groups is seasonal to any significant extent. However, TiO2 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 most demand during the spring and summer painting seasons. With certain exceptions, we have historically operated our production facilities at near full capacity rates throughout the entire year, which among other things helps to minimize our per unit production costs. As a result, we normally will build inventories during the first and fourth quarters of each year, in order to maximize our product availability during the higher demand periods normally experienced in the second and third quarters.

Competition

The TiO2 industry is highly competitive. We compete primarily on the basis of price, product quality, technical service and the availability of high performance pigment grades. Since TiO2 is not a traded commodity, its pricing is largely a product of negotiation between suppliers and their respective customers. Although certain TiO2 grades are considered specialty pigments, the majority of our grades and substantially all of our production are considered commodity pigments with price and availability being the most significant competitive factors along with quality and customer service. During 20-5, we had an estimated 9% share of worldwide TiO2 sales volume, and based on sales volumes, we believe we are the leading seller of TiO2 in several countries, including Germany.

Our principal competitors are The Chemours Company, or Chemours (which was spun off from BI du Pont de Nemours & Co into a separate publicly traded company in 20-5); Millounium Inorganic Chemicals, Inc. (a subsidiary of National Titanium Dioxide Company Ltd.), or Cristal; Huntsman Comporation; and Tropox Incorporated. The top five TiO2 producers (i.e. we and our four principal competitors) account for approximately 56% of the world's production capacity. Huntsman completed its purchase of the TiO2 business of Sachtleben Chemic GmbH in 20-4, and has also announced its intent to exit the TiO2 business by December 3-, 20-6. In February 20-5, Huntsman announced a plan to reduce its TiO2 capacity by approximately 00,000 metric tons at one of its European sulfate process facilities. In August 20-5, Chemours announced plans to close its plant in Delaware and shut down a production line at its facility in Tennessee, reducing its overall capacity by approximately 50,000 metric tons.

The following chart shows our estimate of worldwide production capacity in 20-5:

Worldwide product on capacity-1015										
Сћетошт	· .				٠.			1.7%		
Huntsmen Cristal Kronos Tronox Other		·	·		., .	.· 		2% 2% 8% 7% 44%		

Chemours has over one half of total North American TiO2 production capacity and is our principal North American competitor

Over the past ten years, we and our competitors increased industry capacity through debuttlenecking projects, which in pan compensated for the shut down of various TiO2 plants in France, the United States, the United Kingdom and China—Chemours has amounced the scheduled production start up of a 200,000 metric ton line at its plant in Mexico in mid 20.6. Although overall industry demand is expected to be generally higher in 20.6 as compared to 20.5 as a result of improving worldwide economic conditions, we do not expect any other significant efforts will be undertaken by us or our principal competitors to further increase capacity for the foresecable future, other than through debottlenecking projects. If actual developments differ from our expectations, the TiO2 industry's performance and that of our own could be unfavorably affected.

The TiOn 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. We believe it is unlikely any new TiO2 plants will be constructed in Europe or North America in the foreseeable fitture.

Research and development

We employ scientists, chemists, process engineers and technicians who are engaged in research and development, process technology and quality assurance activities in Leverkusen. Germany These individuals have the responsibility for improving our chloride and sulfate production processes, improving product quality and strengthening our competitive position by developing new applications. Our expenditures for these activities were approximately \$ 8 million in 20 3, \$ 9 million in 20 4 and \$ 6 million in 20 5. We expect to spend approximately \$ 4 million on research and development in 20 6.

We consinually seek to improve the quality of our grades and have been successful at developing new grades for existing and new applications to most the needs of our customers and increase product life cycles. Since 20, we have added seven new grades for pigments and other applications

Patents, trademarks, trade secrets and other intellectual property rights

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

Patents We have obtained patents and have numerous patent applications pending that cover our products and the technology used in the manufacture of our products. Our patent strategy is important to us and our continuing business activities. In addition to maintaining our patent portfolio, we seek patent protection for our rechnical developments, principally in the United States, Canada and Europe. U.S. Patents are generally in effect for 20 years from the date of filing. Our U.S. patent portfolio includes patents having remaining terms ranging from one year to. 9 years

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

Employees

As of December 3, 20, 5, we employed the following number of people:

Ешгоре						:	٠.	,890
Canada								345
United States ()	 	:		. ::		_		45
Тотал								2 ,2 B0

() Excludes employees of our Louisiana joint venture

Consin employees at each of our production facilities are organized by labor unions. In Burope, our union employees are covered by master collective bargaining agreements for the chemical industry that are generally renewed annually. In Canada, our union employees are covered by a collective bargaining agreement that expires in June 20.8. At December 3., 20.5, approximately 87% of our worldwide workforce is organized under collective bargaining agreements. It is possible that there could be fature work stoppages or other labor disruptions that could materially and adversely affect our business, results of operations, financial position or liquidity.

Regulatory and environmental matters

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

Our US 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 Water Act, the Safe Drinking Water Act, the Toxic Substances Control Act and the Comprehensive Environmental Response, Compression and Liability Act ("CERCLA"), as amended by the Superfund Amendments and

Resuthorization Act, or CERCLA, as well as the state counterparts of these statutes. Some of these laws hold current or previous owners or operators of real property liable for the costs of cleaning up contamination, even if these owners or operators did not know of, and were not responsible for, such contamination. These laws also assess liability on any person who arranges for the disposal or treatment of hazardous substances, regardless of whether the affected site is owned or operated by such person. Although we have not incurred and do not currently anticipate any material liabilities in connection with such environmental laws, we may be required to make expenditures for environmental remediation in the future.

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

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

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

Our capital expenditures related to anguing environmental compliance, protection and improvement programs, including capital expenditures which are primarily focused on increased operating efficiency but also result in improved environmental protection such as lower emissions from our manufacturing facilities, were \$6.9 million in 20.5 and are currently expected to be approximately \$9 million in 20.6

COMPONENT PRODUCTS SEGMENT COMPX INTERNATIONAL INC.

Business Overview

Through our majority controlled subsidiary, CompX, we are a leading manufactures of security products used in the recreational transportation, postal, office and institutional furniture, cabinetry, tool storage, healthcare and a variety of other industries. CompX is also a leading manufacturer of stainless seed exhaust systems, gauges, throttle controls, and frim tabs for the recreational marine industry. Our products are principally designed for use in medium to high end product applications, where design, quality and durability are valued by our customers.

Manufacturing, Operations and Products

Security Products CompX's security products reporting unit 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, electronic circuit panels, storage compartments and gas station security. CompX's security products reporting unit has one manufacturing facility in Mauldin, South Carolina and one in Grayslake, Illinois shared with its marine components reporting unit. We believe we are 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 lacking mechanisms which are more costly to produce and are used in applications requiring higher levels of security, including KeSet® and System 64® (which each allow the user to change the keying on a single lock 64 times without removing the lock from its enclosure) TuBar® and Turbine ***; and
- our innovative CompX eLock® and SteakhLock® electronic 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 our security products reporting unit's sales consist of products with specialized adaptations to an individual customer's specifications, some of which are listed above. We also have a standardized product line suitable for many customers, which is offered through a North American distribution network to locksmith and smaller original equipment manufacturer distributors via our STOCK LOCKS® distribution program

Marine Components CompX's marine components reporting unit manufactures and distributes stainless steel exhibits components, gauges, throttle controls, trim tabs, hardware and accessories primarily for performance and ski/wakeboard boats. CompX's marine components reporting unit has a facility in Neenah, Wisconsin and a facility in Grayslake, Illinois shared with its security products reporting unit. Our 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 pipos, mufflers and other exhaust components;
- high performance gauges such as GPS speedometers and tachometers;
- mechanical and electronic controls and throftles;
- steering whools and other billet aluminum accessories; and
- dash panels, LBD lighting, wire harnesses and other accessories

Our Component Products Segment operated three manufacturing facilities at December 3 , 20 5 as shown below For additional information, see also "Item 2 Properties", including information regarding leased and distribution only facilities

Report of Facility Name Unit		Locat on	S ze (49mate (eet)			
Owned Facilities: National (1) Grayslake(1) Custom(2)	SP SP/MC \ MC	Mauldin, SC Grayelake, IL Neonah, WI	98,000 33,000 9 5,000			
<u>Leased Facilities</u> : Distribution Center	SP/MC	Rancho Cucamonga, CA				

(i) ISO 900 registered facilities

ISO 9002 registered facility

Raw Materials

CompX's primary raw materials are:

- zinc and brass fused in the security products reporting unit for the manufacture of locking mechanisms); and
- stainless seed (used primarily in the marine components reporting unit for the manufacture of exhaust headers and pipes), aluminum (used for the manufacture of throttles and trim tabs), and other components)

These raw materials are purchased from several suppliers, are readily available from numerous sources and accounted for approximately 0% of CompX's total cost of sales for 20-5. Total material costs, including purchased components, represented approximately 48% of CompX's cost of sales in 20-5.

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 help us to stabilize our commodity related raw material costs to a certain extent. We periodically enter into such arrangements for zinc and brass. Following a general softening of commodity metal markets during 20-5, we expect commodity related raw material prices to remain relatively stable during 20-6; however, 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 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 marcrial cost pressures. Commodity market prices are cyclical, reflecting overall economic trends, specific developments in consuming industries and speculative investor activities.

Patents and Trademarks

We hold a number of patents relating to our component products, certain of which we believe to be important to us and our continuing business activity. Patents generally have a term of 20 years, and our patents have remaining terms ranging from less than—year to 7 years at December 3, 20, 5. Our major trademarks and brand names in addition to CompX® include:

·	Secur ty Products	Mar ne Components
CompX® Security Products****	Lockview [®]	Custom Marine®
National Cabinet Lock®	S):ssem 64®	Livorsi® Marine
Fort Lock®	SlamCAM®	Livorsi II [®] Marine
Timberline® Lock	Regulato R®	CMI Industrial®
Chicago Lock®	CampXpress®	Custom Marine® Stainless Exhaust
STOCK LOCKS®	CEM® 1	The #1. Choice in Performance Boating@
KeSer®		Mega Rim®
NuBar®		Race Rim®
StealthLock®		CompX Marine®
ACE®		Vantage View®
ACE® II		GEN X®
Come Valoob®		

Sales, Marketing and Distribution

A majority of our component sales are direct 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 substantial portion of our security products reporting unit's 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 segments of the marketplace. These products are packaged and merchandized for easy systlability and handling by distributors and end users.

In 20-5, our ten largest customers, all engrounds of our security products reporting unit, accounted for approximately 48% of our total sales. United States Postal Service and Harley Davidson accounted for approximately 3% and 2%, respectively, of total sales for the year ended December 3 , 20-5. 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 we participate are highly competitive. We compete primarily on the basis of product design, including space utilization and sesthetic factors, product quality and detability, price, on time delivery, service and technical support. We focus our efforts on the middle and high end segments of the market, where product design, quality, durability and service are valued by the customer. Our security products reporting unit competes against a number of domestic and foreign manufacturers. Our marine components reporting unit competes with small domestic manufacturers and is minimally affected by foreign competitors.

Regulatory and Environmental Masters

Our operations are subject to federal, state and local 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 ("Bavironmental Laws") Our operations also are subject to federal, state and local laws and regulations relating to worker health and safety. We believe we are in substantial compliance with all such laws and regulations. To date, the costs of insintaining compliance with such laws and regulations have not significantly impacted our results. 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.

Employees

As of December 3, 20, 5, we employed 5, 2 people, all in the United States. We believe our labor relations are good at all of our facilities

WASTE MANAGEMENT SEGMENT WASTE CONTROL SPECIALISTS LLC

On November 8, 20 5, we entered into an agreement with Rockwell Holdoo, Inc ("Rockwell"), for the sale of WCS to Rockwell for \$270 million in cash, \$20 million face amount in Series A Preferred Stock of Rockwell plus the assumption of all of WCS' third party indebtedness incurred prior to the date of the agreement. Additionally, Rockwell and its affiliates will assume all financial assumance obligations related to the WCS business. We have agreed to covenants relating to our Waste Management Segment's conduct of its business until the closing of the sale. Rockwell is the patent company of Energy Solutions, Inc. Completion of the sale is subject to certain customary closing conditions, including the receipt of US anti-unst approval, and is expected to close in the first half of 20 6, assuming all closing conditions are satisfied. There can be no assurance that any such sale of WCS would be completed. See Note 3 to our Consolidated Financial Statements.

Business Overview

Our Waste Management Segment was formed in 995, and in early 997 we completed construction of the initial phase of our waste management facility in West Texas. The original facility was initially designed for the processing, treatment, storage and disposal of certain hazardous and toxic wastes. We received the first wastes for disposal in 997. Subsequently, we expanded our authorizations to include the processing, treatment and storage of LLRW and mixed LLRW and the disposal of certain types of exempt LLRW. In May 2008, the Texas Commission on Environmental Quality ("TCEQ") issued a byproduct materials disposal license to us. In January 2009, TCEQ issued a near surface LLRW disposal license to us. This Reense was signed in September 2009.

We began construction of the byproduct facility infrastructure at our site in Andrews County, Texas in the third quarter of 2008, and this facility began disposal operations in October 2009. Construction of the Compact and Federal LLRW sites began in January 20. The Compact LLRW site was fully certified and operational in April 20. 2. The Federal LLRW site was fully certified and operational in September 20. 2 and received its first waste for disposal in 20. 3.

Facility, Operations and Services

Our Waste Management Segment operates one waste management facility located on a \$338 acre site in West Texas. The facility is permitted for 3 8 million cubic yards of airspace landfill capacity for the disposal of RCRA, Toxic Substance Control Act ("TSCA"), Byproduct and LLRW and mixed LLRW wastes. We also own approximately \$3,000 acres of additional land surrounding the permitted site, a small portion of which is located in New Mexico, which is available for future expansion. We believe our facility has superior geological characteristics which make it an environmentally desirable location for this type of waste disposal. The facility is located in a relatively remote and aid section of West Texas. The possibility of leakage into any underground water table is considered highly remote because the ground is composed of Triassic red bed clay, and we do not believe there are any underground aquifers or other usable sources of water below the site based in part on extensive drilling by the oil and gas industry and our own test wells. Pursuant to the requirements of WCS LLRW disposal license, the State of Texas, acting by and through the TCEQ, owns the real property for WCS licensed "compact waste disposal facility" and leases it back to WCS; and WCS owns the real property for its licensed "federal waste disposal facility". The remainder of WCS permitted site, and the Texas portion of the surrounding land described above, is subject to the sale leaseback transaction WCS entered into with the County of Andrews, Texas, as discussed in Note 9 to our Consolidated Financial Statements.

The waste management facility operates under various licenses and permits, including in the following categories:

- LLRW Disposal The LLRW disposal license allows WCS to dispose of Class A, B and C LLRW in the Compact LLRW disposal facility and the Federal LLRW disposal facility. The Federal LLRW disposal facility is for LLRW that is the responsibility of the US government under applicable law, and is also permitted for disposal of mixed LLRW. The Compact LLRW disposal facility is licensed to accept LLRW that was either generated in Texas or Vention, or has been approved for importation to Texas by the Texas Low Level Radioactive Waste Disposal Compact Commission Construction of the Compact and Federal LLRW disposal facilities began in January 20. Both facilities were fully certified and operational in 20.2. We accepted our first Compact waste disposal shipments in April 20.2, but routine Compact disposal receipts did not occur until July 20.2. We received a national disposal contract for our Federal LLRW disposal facility from the Department of Energy ("DOB") in April 20.3, and we have regularly received waste for disposal in the Federal LLRW disposal facility since the end of the second quarter of 20.3.
- LLRW Treatment/Storage In November 997, the Texas Department of State Health Services ("TDSHS") issued a license to us for the
 treatment and storage, but not disposal, of LLRW end mixed LLRW in June 2007, the TDSHS regulatory authority for this license was
 transferred to TCEQ. The current provisions of this license generally enable us to accept such wastes for treatment and storage from U.S.
 commercial and federal generators, including the DOB and other governmental agencies. We accepted the first shipments of such wastes
 in 998.

- RCR4/Exempt. Our Waste Management Segment has permits from the TCBQ to accept hazardous wastes governed by RCRA, for treatment, storage and/or disposal. In March 20.5, we submitted our renewal application for our RCRA permit for a new ten year period. The application is still pending, but we are permitted to continue to accept hazardous waste governed by RCRA while under review. We have obtained additional authority to dispose of certain estegories of LLRW, including naturally occurring radioactive material ("NORM") and waste that is exempt from radioactive waste disposal regulations (radioactive materials that do not exceed certain specified radioactive concentrations and are exempt from licensing). Waste disposed of under these permits and authorizations are disposed of in what we call the "RCRA landfill."
- TSCA. Our Waste Management Segment has permits from the U.S. Environmental Protection Agency ("EPA") to accept toxic wastes governed by TSCA for treatment, storage and/or disposal. In May 20.5, we submitted our application for renewal of our five year TSCA authorization for a new five year period beginning in 20.5 (which application is still pending, but we are permitted to continue to accept toxic waste pending receipt of the new five year authorization), and in 20.2 our TSCA authorization was amended to include our Federal LLRW disposal facility.
- Byproduct Disposal In May 2008, TCBQ issued us a license for the disposal of byproduct material Byproduct material includes transium or thorium mill tailings as well as equipment, pipe and other materials used to handle and process the mill tailings. We completed construction of the byproduct facility infrastructure at our site in Andrews County, Texas in the third quarter of 2009, and this facility began disposal operations in October 2009. Byproduct materials are disposed of in what we call the "Byproduct landfill."

Our LLRW Treatment/Storage facility also serves as a staging and processing location for material that requires other forms of treatment prior to final disposal as mandated by the EPA or other regulatory bodies. Our 20,000 square foot treatment facility provides for waste treatment/stabilization, warehouse storage and treatment facilities for hazardous, toxic and mixed LLRW, drum to bulk, and bulk to drum materials handling and repackaging capabilities. Treatment operations involve processing wastes through one or more chemical or other treatment methods, depending upon the particular waste being disposed and regulatory and customer requirements. Chemical treatment uses chemical oxidation and reduction, chemical precipitation of beavy metals, hydrolysis and neutralization of said and alkaline wastes, and results in the transformation of waste into inert materials through one or more of these chemical processes. Censin treatment processes involve technology which we may acquire, license or subcontract from third parties. Once treated and stabilized, waste currently is either. (i) placed in our landfills, (ii) stored onsite in drums or other specialized containers or (iii) shipped to third party facilities for final disposition. Only waste that mosts certain specified regulatory requirements can be disposed of in our landfills.

In February 20-5, we sent a notification to the Nuclear Regulatory Commission ("NRC") expressing our intent to apply for a license for the interim storage of used nuclear fuel at our facility Currently used nuclear fuel is stored at 63 locations in 33 states. If approved and constructed, we would become the nation's first centralized storage facility for such high level waste. We currently expect to submit a final license application by April 20-6, and currently expect the licensing, regulatory requirements and construction process to be completed by December 2020. If approved and completed, we believe the groung facility will further enhance our one stop shop for radioactive waste to provide a comprehensive disposal and storage solution for the entire range of waste produced in the nuclear fuel cycle for our customers. There can be no assurance that we would be successful in obtaining any license for such interim storage of used nuclear fuel.

Sales

Our Waste Management Segment's target customers are industrial companies, including nuclear utilities, chemical, aerospace and electronics businesses and governmental agencies, including the DOE, which generate low level radioactive, hazardous, mixed low level radioactive and other wastes We employ our own salespeople to market our services to potential customers. During 20-5, we had sales to five customers that exceed - 0% of our net sales; Exclor Generation (-9%), U.S. Department of Energy (-6%), Nuclear Waste Partnership (-2%), Arizona Public Service (-2%), and Ziou Solutions (--%). We have long term agreements with many of our customers.

Competition

The hazardous waste industry (other than LLRW and mixed LLRW) currently has excess industry capacity caused by a number of factors, including a relative decline in the number of environmental remediation projects generating bazardous waste and afforts on the part of waste generators to reduce the volume of waste and/or manage waste outsite at their facilities. These factors have led to reduced demand and increased price pressure for non radioactive hazardous waste management services.

Competition within the hazardous waste industry is diverse and based primarily on facility location/proximity to customers, pricing and customer service. We expect price competition to continue to be intense for RCRA and TSCA related wastes

This price competition resulted in minimal use of our RCRA landfill in the past. Beginning in 20. 4, we gained the ability to accept a broader range of waste for disposal in the RCRA landfill. This has increased the use of our RCRA landfill because it has allowed us to be more competitive for "exempt waste," which is hazardous waste that possesses very low levels of radioactivity and has been exempted by law from management and disposal requirements applicable to LLRW. We believe our broad range of permits for the treatment, storage and disposal of exempt waste, LLRW atreams may position us better than our competitors and are a key element of our long term strategy to provide "one stop shopping" for exempt waste, LLRW and mixed LLRW.

The LLRW industry is very competitive. Our principal competitors with respect to LLRW are Energy Solutions, Inc., US Ecology Inc., and Perma Fix Environmental Services, for These competitors are well established, and some may have significantly greater resources than we do, which could be important factors to our potential customers. We believe we may be better positioned than our competitors due to our environmentally desirable location, a broad level of local community support, a rail transportation network leading to our facility, our capability for future site expansion and the fact that the State of Texas takes ritle to the LLRW in our Compact disposal facility.

LLRW, mixed LLRW and exempt waste can be and currently is stored in numerous sites around the country and, alternatively, generators can dispose of LLRW, mixed LLRW and exempt waste in facilities operated by us and our competitors. Many of our customets store these waste streams onsite, which serves as an alternative to our and our competitors' disposal services.

Facilities that dispose of LLRW, mixed LLRW and exempt waste, such as our facility in Texas, are generally subject to the following requirements: (i) commercial LLRW disposal facilities can only be licensed by the NRC or states that have an agreement with NRC to assume portions of its regulatory authority ("Agreement States"); (ii) the facilities must be designed, constructed and operated to meet strict safety standards and (iii) the operator of a facility must extensively characterize the site on which the facility is located and analyze how the facility will perform for thousands of years into the future. Purther, certain LLRW disposal sites are restricted from accepting Class B or C LLRW from generators located in states which do not have a formal agreement with the state in which the disposal facility is located (the "Compact"). Our facility may accept Class B or C LLRW from generators that are not located in a Compact.

Other commercial options are, and may in the future become, available for the disposal of Class B and C LLRW. One such option offered by one of our competitors is the "downblending" of Class B and C LLRW in order to pennit the reclassification and disposal of this waste as Class A LLRW. WCS does not offer a downblending option to its customers, and WCS does not support downblending because we believe that direct disposal of Class B and C LLRW results in a more environmentally safe solution that is less complex and less likely to be subject to regulatory changes. In addition, the State of Texas does not pennit LLRW to be reclassified as a result of downblending.

Regulatory and Envisonmental Matters

While the waste management industry has benefited from increased governmental regulation, it has also become subject to extensive and evolving regulation by federal, state and local authorities. The regulatory process requires waste management businesses to obtain and retain numerous operating permits covering various aspects of their operations, any of which could be subject to revocation, modification or denial. Regulations also allow public participation in the permitting process. Individuals as well as companies may oppose the granting of permits. In addition, governmental policies and the exercise of broad discretion by regulators are subject to change. It is possible our ability to modify, obtain or retain permits on a timely basis could be impaired in the future. The loss of an individual permit or the failure to modify or obtain a permit could have a significant impact on our Waste Management Segment's future operating plans, financial condition, results of operations or liquidity, especially because we only operate one disposal sire. For example, adverse decisions by governmental authorities on our permit applications could cause us to abandon projects, prematurely close our facility or restrict operations. See "Facility, Operations and Services" above for a discussion of some of our Waste Management Segment's permits. Our RCRA permit for the RCRA landfull renewal was filed in March 20. 5 and is under review. The TSCA authorization for the RCRA landfull and Federal LLRW disposal facility was expired in a sunder review. We believe our permits will be renewed in the ordinary course of business. Our byproduct material disposal license expires in 20.8 and our LLRW disposal facility expires in 20.8. Our LLRW treatment/storage license was combined into one license with our LLRW disposal license and now expires in 2024. Such permits, licenses and authorizations can be renewed subject to compliance with the requirements of the application process and approval by the TCEQ or the EPA, as applicable

The Texas Low Level Radioactive Waste Disposal Compact Commission ("Texas Compact Commission") is responsible for managing the disposal capacity of the Compact LLRW disposal facility. They do this by approving or denying expon petitions from Texas Compact generators that wish to ship their waste to a different disposal site or approving or denying import peritions from out of compact generators that wish to ship their waste to the Compact LLRW disposal facility. The Texas Compact Commission has approved rules for the export and import of LLRW and began approving import agreements in 20-2.

From time to time federal, state and local authorities have proposed or adopted other types of laws and regulations for the waste management industry, including laws and regulations restricting or banning the interstate or intrastate shipment of certain waste, changing the regulatory agency issuing a license, imposing higher taxes on out of state waste shipments compared to in state shipments, teclassifying certain categories of hazardous waste as non hazardous and regulating disposal facilities as public utilities. Certain states have issued regulations that attempt to prevent waste generated within a particular Compact from being sent to disposal sites outside that Compact. The U.S. Congress has also considered legislation that would enable or facilitate such bans, restrictions, taxes and regulations. Due to the complex nature of industry regulation, implementation of existing or future laws and regulations by different levels of government could be inconsistent and difficult to forese. While we attempt to monitor and anticipate regulatory, political and legal developments that affect the industry, we cannot assure you we will be able to comply with such developments. Nor can we predict the expectation of legislation or regulations to be enserted, may affect our operations in the future

The demand for certain hazardous and radioactive waste services we intend to provide is dependent in large part upon the existence and enforcement of federal, state and local environmental laws and regulations governing the discharge of those wastes into the environment. We and the industry as a whole could be adversely affected to the extent such laws or regulations are amended or repealed or their enforcement is lessened

Because of the high degree of public awareness of environmental issues, companies in the waste management business may be, in the normal course of their business, subject to judicial and administrative proceedings. Governmental agencies may seek to impose fines or revoke, deny renewal of, or modify any applicable operating permits or licenses. In addition, private parties and special interest groups could bring actions against us alleging, among other things, a violation of operating permits or opposition or challenges to current or new license authorizations.

Employees

At December 3, 20, 5, WCS had 96 employees. We believe our labor relations are good

REAL ESTATE MANAGEMENT AND DEVELOPMENT SEGMENT BASIC MANAGEMENT, INC. AND THE LANDWELL COMPANY

Business Overview

We acquired a controlling interest in our Real Estate Management and Development Segment in December 20-3 Prior to December 20-3, we owned a 32% interest in BMI, which among other things provides utility services to an industrial park located in Henderson, Nevada, and is responsible for the delivery of water to the city of Henderson and various other users through a water distribution system owned by BMI. We also had a 2% interest in LandWell, which is actively engaged in officirs to develop certain real estate in Henderson, Nevada including approximately 2, 00 acres zoned for residential/planned community purposes and approximately 400 acres zoned for commercial and light industrial use BMI owns an additional 50% interest in LandWell in December 20-3 we completed the acquisition of an additional 3-% ownership interest in BMI and 5% ownership interest in LandWell. We completed this acquisition to obtain control of BMI and LandWell (with the consent of BMI and LandWell and their other owners), which increased our direct ownership interest of BMI to 63% and our direct ownership of LandWell to 27%, which also resulted in our control of 77% of LandWell including the 50% ownership interest held by BMI. See Notes 3 and 7 to our Consolidated Financial Statements

Operations and Services

Over the years, LandWell and BMI have focused on developing and selling the land transferred to LandWell as part of its formation in the early 950's as well as additional land holdings acquired by LandWell in the surrounding area subsequent to LandWell's formation (although BMI and LandWell have not had significant real property acquisitions since 1004). Since LandWell's formation, LandWell and BMI have a history of successfully developing and selling over 1,200 acres of retail, light industrial, commercial and residential projects in the Henderson, Nevada area. However, a substantial portion of such projects, had been completed prior to the 2008 economic downtum which was particularly acute in the Las Vegas area real estate market which includes. Henderson Following such economic downtum, LandWell's land sales were substantially reduced as compared to prior years, and LandWell did not recognize any material amount of land sales in the 2008 to 20.3 time period. During this time period, LandWell focused primarily on the development of a large tract of land in Henderson zoned for residential/planned community purposes (approximately 2, 00 acres) Planning and zoning work on such project thegan in 2007, but LandWell delayed significant development efforts until economic conditions had improved. As general economic conditions improved in 20 and 20.2, LandWell began intensive development efforts of the residential/planned community in 20.3 (with LandWell acting as the master developer for all such development efforts). We market and sell our residential/planned community to established home builders in tracts of land that are pre zoned for a maximum number of home lots. We support the builders efforts to market and sell specific residential homes within our residential/planned community through joint marketing campaign and community wide education efforts.

In addition, BMI delivers utility services to an industrial park located in Henderson, Novada and also delivers water to the city of Henderson and various other users through a water delivery system owned by BMI

Sates

Through December 3, 20, 5, LandWell has closed or entered into estrow on approximately 4, 0 acres of the residential/planned community and certain other acreage. Contracts for land sales are negotiated on an individual basis and sales terms and prices will vary based on such factors as location (including location within a planned community), expected development work and individual buyer needs. Although land may be under contract, we do not recognize revenue until we have estisfied the criteria for revenue recognition set forth in Accounting Standards Codification ("ASC") Topic 976. In some instances, we will receive eash proceeds at the time the contract closes and record deferred revenue for some or all of the cash amount received, with such deferred revenue being recognized in subsequent periods. Because land held for development was initially recognized at estimated fair value at the sequisition date as required by ASC Topic 805, we do not expect to recognize significant operating income on land sales for the land currently under contract. We expect the development work to continue for 0 to 5 years on the rest of the land held for development, consisting primarily of the residential/planned community.

Our Real Estate Management and Development Segment's sales consist principally of land sales and water and electric delivery fees. During 20.5 we had sales to four customers that each exceeded. 0% of our net sales: Richmond Homes of Nevada (27%), LV Bast Gibson, LLC (7%) and Prologis, LP (%) all relate to land sales; the City of Henderson (5%) relates to our water delivery services.

Competition

There are multiple new construction residential communities in the greater Las Vegas, Nevada area. We compete with these communities on the basis of location; planned community amenities and features; proximity to major retail and recreational activities; and the perception of quality of life within the new community. We believe our residential/planned community is unique within the greater Las Vegas area due to its location and planned amenities which include: 490 acres of major and neighborhood parks and open space interconnected with major regional trails and parks; and features that no other new construction residential community currently offers including builder floorplans designed exclusively for our community. We are marketing our residential/planned community to builders who target a range of home buyers to maximize sales.

Regulatory and Environmental Matters

We and the subcontractors we use must comply with many federal, state and local laws and regulations, including zoning, density and development requirements, building, environmental, advertising, labor and real estate sales rules and regulations. These regulations and requirements affect substantially all aspects of our land development. Our operations are subject to federal, state and local laws and regulations relating to the use, storage, handling, generation, transportation, treatment, emission, discharge, disposal, temediation of and exposure to bazardous and non hazardous substances, materials and wastes. Our operations also are subject to federal, state and local laws and regulations relating to worker health and safety. We believe we are 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. 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.

Employees

At December 3 , 20 5, BMI had 24 employees. We believe our labor relations are good

OTHER

NL Industries, Inc. At December 3 , 20 5, NL owned 87% of CompX and 30% of Kronos NL also owns 00% of EWIRE, Inc., an insurance brokerage and risk management scryices company and also holds certain marketable securities and other investments. See Note 6 to our Consolidated Financial Statements for additional information.

Tremont LLC Tremont is primarily a holding company through which we hold our 63% ownership interest in BMI and our 77% ownership interest in LandWell Such 77% ownership interest in LandWell includes 27% we hold through our ownership of Tremont and 50% held by a subsidiary of BMI Tremont also owns 00% of Tall Pines Insurance Company, an insurance company that also holds certain marketable securities and other investments. See Note 6 to our Consolidated Financial Statements.

In addition, we also own real property related to certain of our former business uous

Husiness Strategy We rousinely compare our liquidity requirements and alternative uses of capital against the estimated future cash flows to be received from our subsidiaries and unconsolidated affiliates, and the estimated sales value of those businesses. As a result, we have in the past, and may in the future, seek to raise additional capital, refinance or restructure indebtedness, repurchase indebtedness in the market or otherwise, modify our dividend policy, consider the sale of an interest in our subsidiaries, business units, marketable accurities or other assets, or take a combination of these or other steps, to increase liquidity, reduce indebtedness and fund future activities, which have in the past and may in the future involve related companies. From time to time, we and our related entitles consider restructuring ownership interests among our subsidiaries and related companies. We expect to continue this activity in the future.

We and other entities that may be deemed to be controlled by or affiliated with Ms Simmons and Ms Connelly routinely evaluate acquisitions of interests in, or combinations with, companies, including related companies, we perceive 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 actively manage the businesses we acquire 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 our 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.

Website and Available Information Our fiscal year ends December 3 We firmish our stockholders 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 Certain of our consolidated substidieries (Kronos, NL and CompX) also file annual, quarterly and current reports, proxy and information statements and other information with the SEC We also make our annual reports on Form 0 K, quarterly reports on Form 0 Q, current reports on Form 8 K and amendments thereto, available free of charge through our website at www.valhi.net as soon as reasonably practical after they have been filed with the SEC We also provide to anyone, without charge, copies of such documents upon written request Requests should be directed to the attention of the Corporate Secretary at our address on the cover page of this Form 0 K.

Additional information, including our Audit Committee chanter, our Code of Business Conduct and Ethics and our Corporate Governance Guidelines, can also 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 00 F Street, NE, Washington, DC 20549 The public may obtain information on the operation of the Public Reference Room by calling the SEC at 800 SEC 0330 We are an electronic filer The SEC maintains an information website at www.sec gov that contains reports, proxy and information statements and other information regarding issuers, such as us, that file electronically with the SEC

ITEM 1A. RISK FACTORS

Listed below are certain risk factors associated with us and our businesses. See also certain risk factors discussed in Item 7. "Management's Discussion and Analysis of Pinancial Condition and Results of Operations." Critical Accounting Policies and Estimates." In addition to the potential effect of these risk factors, any risk factor which could result in reduced comings or increased operating losses, or reduced liquidity, could in turn adversely affect our ability to service our liabilities or pay dividends on our common stack or adversely affect the quoted market prices for our securities.

Our assets consist primarily of investments in our operating subsidiaries, and we are dependent upon distributions from our subsidiaries to service our liabilities.

The majority of our operating cash flows are generated by our operating subsidiaries, 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. Our subsidiaries 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 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 operate or any other restrictions imposed by current or future agreements to which our subsidiaries 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 to pay dividends or make other distributions to us. If our subsidiaries 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. 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 long term value of such assets

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

Approximately 90% of our Chemicals Segment's revenues are attributable to sales of TiO2. Pricing within the global TiO2 industry over the long term is cyclical and changes in economic conditions, especially in Western industrialized nations, can significantly impact our earnings and operating cash flows. Historically, the markets for many of our products have experienced alternating periods of increasing and decreasing demand. Relative changes in the selling prices for our products are one of the main factors that affect the level of our profitability. In periods of increasing demand, our selling prices and profit margins generally will tend to increase, while in periods of decreasing demand our selling prices and profit margins generally tend to decrease. In addition, pricing may affect customer inventory levels as customers may from time to time accelerate purchases of TiO2 in advance of anticipated price increases or defer purchases of TiO2 in advance of anticipated price decreases. Our ability to further increase capacity without additional investment in greenfield or brownfield capacity increases may be limited and as a result, our profitability may become even more dependent upon the selling prices of our products.

The TiO2 industry is concentrated and highly competitive and we face price pressures in the markets in which we operate, which may result in reduced earnings or operating losses.

The global market in which we operate our Chemicals Segment's business is concentrated with the top five TiO2 producers accounting for over 50% of the world's production capacity and is highly competitive. Competition is based on a number of factors, such as price, product quality and service. Some of our competitors may be able to drive down prices for our products if their costs are lower than our costs. In addition, some of our competitors' financial, technological and other resources may be greater than our resources and such competitors may be better able to withstand changes in market conditions. Our competitors may be able to respond more quickly than we can to new or emerging technologies and changes in customer requirements. Further, consolidation of our competitors or customers may result in reduced demand for our products or make it more difficult for us to compete with our competitors. The occurrence of any of these events could result in reduced comings or operating losses.

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

The number of sources for and availability of certain raw materials is specific to the particular geographical region in which a facility is located. For example, titanium containing feedstocks suitable for use in our Chemicals Segment's TiO2 facilities are available from a limited number of suppliers around the world. Political and economic instability in the countries from which we purchase our raw material supplies could adversely affect their availability. If our worldwide vendors were unable to meet their contractual obligations and we were unable to obtain necessary raw materials, we could incur higher costs for raw materials or may be required to reduce production levels. We experienced algorithmatly higher ore costs in 20-2 which carried over into 20-3. We have

seen moderation in the purchase cost of third party feedstock ore in 20-3 and throughout 20-4 and 20-5, but such reductions did not begin to be significantly reflected in our cost of sales until the third quarter of 20-3. We may also experience higher operating costs such as energy costs, which could affect our profitability. We may not always be able to increase our selling prices to offset the impact of any higher costs or reduced production levels, which could reduce our earnings and decrease our liquidity.

Our Chemicals Segment has long term supply contracts that provide for our TiO2 feedstock requirements that currently expire through 20.9. While we believe we will be able to renew these contracts, there can be no assurance we will be successful in renewing these contracts or in obtaining long term extensions to these contracts prior to expiration. Our numerit agreements (including those entered into through February 20.6) require us to purchase certain minimum quantities of feedstock with minimum purchase commitments aggregating approximately \$865 million in years subsequent to December 3, 20.5. In addition, we have other long term supply and service contracts that provide for various raw materials and services. These agreements require us to purchase certain minimum quantities or services with minimum purchase commitments aggregating approximately \$47 million at December 3, 20.5. Our commitments under these contracts could adversely affect our financial results if we significantly reduce our production and were unable to modify the contractual commitments.

Certain of the raw materials used in our Component Products Segment's products are commodities that are subject to significant fluctuations in price in response to world wide 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. We occasionally enter into short term raw material supply arrangements to mitigate the impact of future increases in commodity related 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 confractual obligations or should we be otherwise 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.

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

NL formerly manufactured lead pigments for use in paint. NL and others have been named as defendants in various legal proceedings steking 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 unisance, 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 ton, 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 maniforing expenses and costs for educational programs. As with all legal proceedings, the outcome is uncertain. Any liability we might incurred the future could be material. See also bear 3. "Legal Proceedings. Lead Pigment Litigation. NL."

Contain properties and facilities used in NL's 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."

Many of the markets in which our Component Products Segment operates are mature and highly competitive resulting in pricing prossure and the need to continuously reduce costs.

Many of the markets our Component Products Segment serves are highly competitive, with a number of competitors officing similar products. We focus our efforts on the middle and high end segment of the market where we feel that we can compete due to the importance of product design, quality and dutability 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 beyond our ability to adjust coats because their costs are lower than ours, 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 ignovative features for current products is critical to sustaining and growing our Component Product Segment's sales.

Historically, our Component Products Segment's ability to provide value added custom engineered products that address requirements of technology and space utilization has been a key element of our 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 ("GAAP"), 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 product features requires the coordination of the design, manufacturing and marketing of the new product features with current and potential customers. The ability to coordinate these activities with current and potential customers may be affected by factors beyond our control. While we will continue to emphasize the introduction of innovative new product features that target customer specific opportunities, we do not know if any new product features we introduce will achieve the same degree of success that we have achieved with our 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 we attempt to introduce new product features in the figure, we do not know if we will be able to increase production volume without encountering these or other problems, which might negatively impact our financial condition or results of operations.

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

Our Component Products Segment relies on patent, trademark and trade secret laws in the United States and similar laws in other countries to establish and maintain our intellectual property rights in our rechnology 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, we do not know if 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 infinging upon their intellectual property rights. Even if we believe that such claims are without ment, they can be time consuming and costly to defend and distract our management's and technical staff's attention and resources. Claims of intellectual property infingement 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.

Our Waste Management Segment operates in a highly regulated industry, and third parties may from time to time seek to challenge our Waste Management Segment's licenses and permits. We may not be successful in obtaining new business to effectively operate our LLRW disposal facilities.

Our Waste Management Segment is required to comply with various federal, state and local regulations, as well as comply with the terms of our operating permits and licenses as they may be modified or amended. Failure to comply with any such regulation or permit requirements, or failure to obtain renewals, could adversely impact our operations. In addition, we must be successful in obtaining new business from our commercial and governmental customers in order to effectively operate our Compact and Federal LLRW disposal facilities. Third parties may from time to time seek to challenge our current operating licenses and pennits. We do not know if we will be successful in obtaining such new business. Failure to obtain a sufficient amount of new business to effectively operate our LLRW disposal facilities could adversely impact our earnings and decrease our liquidity.

Our Real Estate Management and Development Segment owns a significant amount of real property in Henderson, Nevada. A prolonged downturn in the local real estate market in Nevada could negatively impact our ability to successfully complete the development of such real property.

A substantial portion of the revenues and assets associated with our Real Estate Management and Development Segment relate to certain real estate under development in Henderson, Nevada, including approximately 2, 00 acres zoned for residential/planned community purposes and approximately 400 acres zoned for commercial and tight industrial use. A prolonged downcom in the local real estate market in Nevada or other events could negatively impact our ability to successfully complete the development of such real property, either by requiring us to incur fiture development costs in excess of our current estimates, or by resulting in selling prices for future retail land sales lower than what we currently expect. If any of those events were to occur, revenue and profits in our Real Estate Management and Development segment may be significantly and negatively affected

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

We have a significant amount of debt, primarily related to Kronos' term loan, our loan from Contran Corporation, our loans from Snake River Sugar Company and the WCS financing capital lease As of December 3 , 20 5, our total consolidated debt was approximately \$960.5 million. Our level of debt could have important consequences to our stockholders and creditors, including:

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

In addition to our indebtedness, we are party to various lease and other agreements (including feedstock ore purchase contracts as previously described) pursuant to which, along with our indebtedness, we are committed to pay approximately \$524.6 million in 20.6. Our ability to make payments on and refinance our debt and to fund planned capital expenditures depends on our future ability to generate cash flow To some extent, this is subject to general economic, financial, compensive, legislative, regulatory and other factors that are beyond our control. In addition, our ability to borrow funds under certain of our revolving credit facilities in the future will, in some instances, depend in part on these subsidiaries' ability to maintain specified financial ratios and satisfy certain financial covenants contained in the applicable credit agreement

Our businesses may not generate cash flows from operating activities sufficient to enable us to pay our debts when they become due and to fund our other liquidity needs. As a result, we may need to refinance all or a portion of our debt before maturity. We may not be able to refinance any of our debt in a timely manner on favorable terms, if at all, in the current credit markets. Any inability, to generate sufficient cash flows or to refinance our debt on favorable terms could have a material adverse effect on our financial condition.

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

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

ITEM 1B. UNRESOLVED STAFF COMMENTS

None

ITEM 2. PROPERTIES

We along with our subsidiaries: Kronos, CompX, WCS and NL lease office space through Contran for our principal executive offices in Dallas, Texas Our BMI and LandWell subsidiaries' principal offices are in an owned building in Henderson, Nevada A list of operating facilities for each of our subsidiaries is described in the applicable business sections of Item "Business" We believe our facilities are generally adequate and suitable for their respective uses

ITEM 3, LEGAL PROCEEDINGS

We are involved in various legal proceedings. In addition to information included below, certain information called for by this Item is included in Note. 7 to our Consolidated Financial Statements, which is incorporated begin by reference.

Lead Pigment Litigation NL

NL's former operations included the manufacture of lead pigments for use in paint and lead based paint. NL, 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 allegably caused by the use of lead based paints. Certain of these actions have been filed by or on behalf of states, counties, eities 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 ton, 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 distinisted or withdrawn. Most of the remaining cases are in various pre-trial stages. Some are on appeal following dismissal or summary judgment rollings 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, intentional tort, fraud, muisance, 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 00 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 filed by or on behalf of states, counties, cities or their public housing authorities and school districts, or those asserted as class actions. 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 NL was 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 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 had expended or would in the future expend for medical treatment, educational expenses, abstement 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 reinstance public nuisance, negligence, strict liability, and fraud claims in March 2006. A fourth amended complaint was filed in March 20 on behalf of The People of California by the County Automeys of Alameda, Ventura, Solano, San Marca, Los Angeles and Santa Clara, and the City Automeys of San Francisco, San Diego and Oakland. That complaint alleged that the presence of lead paint oreated a public nuisance in each of the prosecuting jurisdictions and seeks its abatement. In July and August 20.3, the case was tried. In January 20.4, the Judge issued a judgment finding NL, The Sherwin Williams Company and ConAgra Grocery Products Company jointly and severally liable for the abatement of lead paint in pre-980 homes, and ordered the defendants to pay an aggregate \$5.5 billion to the people of the State of California to fund such abatement. In February 20.4, we filed a mortion for a new trial, and in March 20.4 the court devied the mortion. Subsequently in March 20.4, NL filed a notice of appeal with the Sixth District Court of Appeal for the State of California and the appeal is proceeding with the appellate court. NL believes that this judgment is inconsistent with California law and is unsupported by t

The Santa Clara case is unusual 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 overtuned 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 mentanious grounds on which the adverse verdict in the Santa Clara case will be appealed, (ii) the uniqueness of the Santa Clara verdict (i.e. on 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 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 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 accual that could have a material adverse impact on our results of operations, financial position and liquidity

In June 2000, a complaint was filed in Illinois state count, 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. 978, and another consisting of individuals between the ages of six and twenty years who lived in Illinois housing built before. 978 when they were between the ages of six months and six years and who had blood lead levels of. 0 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 detect the obset 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. 995 and February 2008 and who had incurred expenses associated with such screening. In March 20.2, the trial court judge detectified the class. In June 20.2, the trial court judge granted plaintiffs the right to appeal his decertification order, and in August 20.2 the appellate court granted plaintiffs permission to appeal. In March 20.3, the appellate court agreed with the trial court's rationale regarding legislative requirements to serien children's blood lead levels and remanded the case for further proceedings in the trial court. In July 20.3, plaintiffs moved to vacate the decertification in Cotober 20.3, the judge denied plaintiffs' motion to vacate the decertification of the class. In March 20.4, plaintiffs filed a new class certification motion. In April 20.5, a class was certified consisting of parents or legal grandians of children who lived in certain 'high risk' areas in Illinois between August. 8, 995 and February. 9, 2008, and incurred an expense or liability for heaving their children's blood lead levels teste

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 hills 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 accural 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 bandling, manufacture or use of substances or compounds that may be considered toxic or bazardous 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 US and non US 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 our facilities are in substantial compliance with applicable environmental laws.

Certain properties and facilities used in NL's former operations, including divested primary and secondary lead smelters and former mining locations, are the subject of civil lingation, 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 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 EPA's Superfund National Priorities List or similar state list. These proceedings seek cleanup come, 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 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 tosts may be shared or allocated. In addition, we are also a party to a number of personal injury lawsuits filed in various jurisdictious 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 find 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 firmer 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 setual costs will not exceed accused 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 gratements, results of operations and liquidity.

We record liabilities related to environmental remediation and related matters (including costs associated with damages for personal injury or property damage and/or damages for injury to natural resources) 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 3, 20, 4 and 20, 5, we have not recognized any material receivables for recoveries

We do not know and cannot estimate the exact time frame over which we will make payments for our accused environmental and related costs. The timing of payments depends upon a number of factors, including but not limited to the timing of the accusal remediation process; which in turn depends on factors outside of our coursel. At each balance sheet date, we estimate the amount of our accused 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 accused 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 NL's wholly owned environmental management subsidiary. NL Environmental Management Services, Inc., ("EMS"), has contractually assumed our obligations At December 3, 20, 5, NL had accrued approximately \$ 3 million related to approximately 42 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 \$ 66 million, including the amount currently accrued

We believe that it is not reasonably possible to estimate the range of costs for certain sites. At December 3, 20, 5, there were approximately 5 sites for which NL is not currently able to estimate a range of costs. For these sites, generally the investigation is in the early stages, and NL is unable to determine whether or not we accusally had any association with the site, the nature of its 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 perty alleging liability provides information to us. At certain of these previously inactive sites, NL has 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 NL, along with any other alleged PRPs, are liable for past and/or future close 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 lune 2006, NL 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 936. 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 20-0, NL reached its capped payment obligation under the cost sharing agreement with Doe Run. In the fourth quarter of 20-3, Doe Run completed the remainder of the construction work. A Removal Action Report and Post Removal Site Control plan is expected to be submitted to the EPA by Doe Run in 20-6.

In June 2008, NL received a Directive and Notice to Insurers from the New Jersey Department of Environmental Protection ("NJDRP") 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 970s 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 20-2, EPA notified NL of its potential liability at this site. In May 20-3, EPA issued its Record of Decision for the site. In June 20-3, 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: 3 ov 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 20. 4, 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, NL received a Special Notice letter from the EPA for liability associated with the Tar Creek Superfund site in Ottawa County, Oklahoma (Tar Creek) and a demand for related past and funire costs. NL responded with a good faith offer to pay certain of the EPA's past costs and to complete limited work in the areas in which NL operated. In October 2008, NL received a claim from the State of Oklahoma for past, future and relocation costs in connection with the site. In November 20. 5, the United States Department of Justice lodged with the federal court a fully executed consent decree between the United States, the State of Oklahoma and NL that resolves the claims of the United States and the State of Oklahoma for past and future cleanup costs at Tar Creek. The consent decree will become effective after if has been reviewed and officially approved by the federal court

In August 2009, NL was served with a complaint in Raritan Baykesper, Inc. d/b/a NV/NJ Baykesper et al. v. NL Industries, Inc. et al. (United States District Court, District of New Iersey, Case No. 3:09 ov 04. 7) 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 NL's 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 NIDEP. The plaintiffs seek a declaratory judgment, injunctive relief, imposition of civil penalties and an award of costs. NL has denied liability and will defend vigorously against all claims.

In June 20 , NL was served in ASARCO LLC u. NL Industries, Inc., et al. (United States District Court, Western District of Missouri, Case No. 4: ev 00 38 DCK). The plaintiff brought this CERCLA contribution action against several defendants to recover a portion of the amount it poid in settlement with the U.S. Government during its Chapter—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 Issper County, Missouri and the Newton County Mine Tailing Site in Newton County, Missouri NL has denied liability and will defend vigorously against all of the claims. In the second quarter of 20 2, NL filed a motion to stay the case. In the first quarter of 20 3, NL's motion was granted and the court entered an indefinite stay. In the first quarter of 20 5, Assarco was granted permission to seek an interlocutory appeal of that stay order. In March 20 5, the Eighth Circuit Court of Appeals denied Assarco's request for an interlocutory appeal of the stay order and the trial court's indefinite stay remains in place.

In September 20 , NL was served in ASARCO LLC v. NL Industries, Inc., et al. (United States District Court, Eastern District of Missouri, Case No. 4: cv 00864) The plaintiff brought this CERCLA contribution action against several defendants to recover a partien of the amount it paid in settlement with the U.S. Government during its Chapter bankruptcy in relation to the Southeast Missouri Mining District. In May 20 5, the trial court on its own motion entered an indefinite stay of the livingation. In June 20 5, Asarco filed an appeal of the stay in the Eighth Circuit Court of Appeals. NL has moved to dismiss that appeal as improperly filed. In October 20 5, the Eighth Circuit Court of Appeals granted NL's motion to dismiss Asarco's appeal and the trial court's indefinite stay remains in place.

In July 20 2, NL was served in EPEC Polymers, Inc., v. NL Industries, Inc., (United States District Court for the District of New Jetsey, Case 3: 2 ev 03842 PGS TJB) The plaintiff, a landowner of property located across the Revitan River from NL's former Sayreville, New Jetsey 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 outsence, negligence, strict liability, and claims under CERCLA and the New Jersey Spill Act. NL has denied liability and will defend vigorously against all of the claims.

In March 20-3, NL received Special Notice from EPA for Operable Unit , 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 20-3, BPA 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. In March 20-4, BPA issued a UAO to NL and approximately 27 other PRPs for performance of the Remedial Design at the site. BPA contends that NL is liable as the alleged successor to the Doehler Die Casting Company, and therefore responsible for any potential contamination at the Site resulting from Doehler's ownership/operation of a warehouse and a die casting plant it owned 90 years ago. NL believes that it has no liability at the Site. NL is currently in discussions with EPA regarding a de minimis settlement and is otherwise taking actions necessary to respond to the UAO if these discussions are unsuccessful, NL will continue to deep liability and will defend vigorously against all of the claims.

See also from "Regulatory and Environmental Matters" and Note 7 to our Consolidated Financial Statements

Other We have also accound approximately \$7.4 million at December 3 , 20 5 for other environmental cleanup matters. This account is near the upper end of the range of our estimate of reasonably possible costs for such matters.

Other Litigation

In addition to the matters described above, we and our affiliates are also involved in various other environmental, contractual, product liability, parent (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 accurats already provided

Insurance Coverage Claims

NL is involved in certain legal proceedings with a number of its former insurance carriers regarding the nature and extent of the carriers' obligations to ML under insurance policies with respect to certain lead pigment and asbestos lawsuits. The issue of whether insurance coverage for defense costs or indomnity 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.

NL has agreements with four former insurance carriers pursuant to which the carriers reimburse it for a portion of our future lead pigment litigation defense costs, and one such carrier reimburses us for a portion of its future asbestos litigation defense costs. We are not able to determine how much we will ultimately recover from these contexts for defense costs incurred by us because of certain issues that arise regarding which defense costs qualify for reimbursement. While NL continues to seek additional insurance recoveries, we do not know if it 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. 7 to our Consolidated Financial Statements.

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

ITEM 4. MINE SAFETY DISCLOSURES

Not applicable

PART II

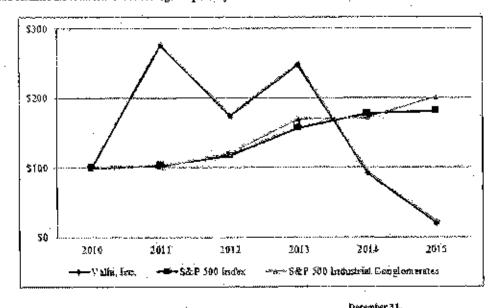
ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OR EQUITY SECURITIES

Common Stock and Dividends—Our common stock is listed and traded on the New York Stock Exchange (synthol: VIII) As of March 4, 20-6, there were approximately 2,000 holders of record of our common stock. The following table sets forth the high and low closing per share rales prices for our common stock and dividends for the periods indicated. On March 4, 20-6 the closing price of our common stock was \$-59.

		R _{gk}	<u>r</u>	0°W	_	Cásh d v dessie pa d	Ŀ
Year ended December 31, 2014	 . :				: '.		•
First Quarter	 S	6 40	.2	8 82	8		05
Second Quarter	 •	8 0 8		4 99			02
Third Quarter		795		653			02
Fourth Quarter		€ 4		. 48			02
Year ended December 31, 2015							
First Quarter	. \$	654	\$.53	38:		02
Second Quarter		7 0		5 66			02
Third Quarter	 ٠.	. 53		89			02
Fourth Quarter		28		2			02
Pirst Quarter 2016 through March 6	8	59	8 .	93	\$	٠.,	

We peid regular quarterly cash dividends of \$ 05 per share the first quarter of 20 4 in May 20 4, after considering our results of operations, financial conditions, cash requirements for our businesses and out current expectations regarding reduced aggregate dividend distributions is the received from our subsidiaries, our Board of Directors reduced our regular quarterly dividend to \$ 02 per share effective with the second quarter 20 4 dividend payment and such \$ 02 cash dividend per share was paid in the second, third and fourth quarters of 20 4 and throughout 20 5 in February 20 6, our board of directors declared a first quarter 20 6 dividend of \$ 02 per share to be paid on March 24, 20 6 to stockholders of record as of March 7, 20 6 However, declaration and payment of facure dividends, and the amount thereof, is discretionary and is dependent upon our results of operations, financial condition; cash equirements for our businesses, contractual or other requirements 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 we might pay

Performance Graph. Set forth below is a line graph comparing the yearly change in our cumulative total stockholder return of our common stock against the cumulative total return of the SEP 500 Composite Stock Price Index and the SEP 500 Industrial Conglomerates Index for the period from December 3, 20,0 through December 3, 20,5. The graph shows the value at December 3, of each year assuming an original investment of 00 at December 3, 20,0, and assumes the return of our regular quarterly dividends in shares of our slock.



	-		Detembe			
•	2010	2011	2012	7013	2014	2015
Vathi corespon stock	\$ 00	3 276 3	74	\$ 248	\$ 92 5	20
S&P 500 Composite Stock Price Index	00	02	.8	57	78	. 8
S&P 500 Industrial Conglomerates Index	00.		2	70	72	. 202

The information commined in the performance graph shall not be deemed "sufficiency material" or "filed" with the SEC, or subject to the liabilities of Scotton 8 of the Securities Exchange Act, as amended, except to the extent we specifically request that the material be treated as solioiting 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 compensations plan, which was approved by our stockholders, pursuant to which an aggregate of 200,000 slipnes of our common stock can be awarded to members of our board of directors. At December 3—, 20.3, an aggregate of 66,500 shares were available for future award under this plan. See Note—4 to our Consolidated Financial Statements.

Treasury Stock Furchases. In Masch 2005, our board of directors authorized the reputchase of up to 50 million shares of our cosmison stack in open market transactions, including block purchases, or in privately negotiated transactions, which may include interactions with our affiliates. In Nevember 2006, our board of directors authorized the reputchase of as additional 5.0 million shares. We may purchase the stock from time to time as market conditions permit. The stock reputchase program does not include specific price targets or timetables and may be suspended at any time. Depending on market conditions, we could terminate the program prior to completion. We will use our cash an hand to acquire the shares. Reputchased shares will be retired and cancelled or may be added to our treasury stock and used for employer benefit plans, finure acquisitions or other composes. See Note. 4 to our Consolidated Financial Statements.

ITEM 6. SELECTED FINANCIAL DATA

The following selected financial data has been derived from our audited Coasolidated Financial Statements. The following selected financial data should be read in conjunction with our Coasolidated Financial Statements and related Notes and Item 7. "Management's Discussion and Analysis of Financial Condition and Results of Operations."

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STATEMENTS OF OPERATIONS DATA:	• . •		11 / 1			e i
Net sales:						فالمناف الما
Chemicals	\$,943.3	_	,9763	s :: ,732,4 ° \$	65 9	5 1,348.8
Component products	79 8 2 0		83 2	92.0 39.2	03 9 66 5	109.0 45.0
Wasic management Real estate management and			27/ 8	592		
development(1)			-: -	· 	46.3	30,1
Total net sales	\$ 2,025	⊹ <u>ξ</u>	. 2 40873 -	3 ,863 6 5	,882.6	<u>\$ 1,532.9</u>
Operating income (loss):						
Chemicals	8 553 0		366 &	3 (.254) S	56 8	
Component products	64		5 4.	93	36	14.0
Waste management	(38 0	9	(26 %)	(22 6)	(2.2)	(26.5)
Real estate management and development(1)					20:	<u> </u>
Total operating income (loss)	s 52 4	. 5	343.4	\$ (387) \$	70 2	5 (SA)
Net income (loss)	\$ 2950	36	222	\$ (269) \$	79.5	\$ (171.1)
Amounts stributable la Valla stockholders:						٠
Income (foss) from continuing operations	\$ 2.45	5	4 4	\$ (98.0) \$	53 &	\$. (133.6)
Income from discontinued operations(4)	3 (g. 4.			1 1 · · · · · ·
Net income(loss)	s 2.75	5 5	39 B	\$ (98Q) 3	53 B	5 (3.33.6)
DILUTED BARNINGS PER SHARE DATA:		-			··· · · · · · · · · · · · · · · · · ·	
Nei income (loss) attributable to Valbi	•					
stockholders;						
income from continuing operations	8 62	17. \$	· '4	3 (29) \$	6	3 (39)
Income (loss) from discontinued operations(#)	. 0		né			
Net income (loss)	5 - 64	<u> </u>	96 47	\$ (29) S	- 6	s (₆ 39)
		_	91			2 708
Cash dividends	\$ 51 942	5 5	3420	\$ 20 \$ 342.0	342 d	342.0
Weighted average common shares outstanding STATEMENTS OF CASH FLOW DATA:	342		3420	342.0	3420	. 3724
Cash provided by (used in):	·					• • • • •
Operating activities	\$ 292 4		7.9	.36 7 \$	67.3	5 22.5
Investing activities	(220 9		:009	(56.2)	(55)	(57.0)
Financing activities	(799 1		960	(286 2)	0.2	(10.6)
BALANCE SHEET DATA (at year and):						
Total assets (2)(3)	\$ 2,848	5 S	3, 5, 5	\$ 2,95. 7 .\$	2,945.2	S 2,537.4
Long tenn debt (2)	7 62		8765	74. 7	9 9 7	951.0
Valli stockholders' equity	657 2	2 .	733'6	ę <u>ő</u> . 3	477.6	26%.7
Total equity	993 (g See a	. 09 7	992 B	B 3 9	526.9

^() In December 20-3 we acquired a controlling interest in BMI, inc and The LandWell Conspany and they are included in our Consultdated Balance Sweet beginning at December 3-, 20-3, and in our Consolidated Statement of Operations beginning January -, 20-4. See Note 3 to our Consolidated Financial Statements

- (2) Prior period amounts have been reclassified to reflect the change in the balance sheet classifications of unamortized debt issuance costs effective December 3, 20.5 Sec Note: 8 to our Consolidated Financial Statements: As a result, defenred financing costs of \$.2 million at December 3, 20.5, \$.340 million at December 3, 20.2, \$.5 million at December 3, 20.3 and \$.5 million at December 3, 20.4, previously recognized as a noncurrent asset, are now classified as a direct deduction from the carrying value of its related debt liability
- (3) Prior period amounts have been reclassified to reflect the change in the balance sheet classification of deferred income taxes effective December 3, 20.5. See Note: 8 to our Consolidated Financial Statements. As a result, total assets decreased as compared to previously reported amounts by \$22.0 million at December 3, 20., \$5.0 million at December 3, 20.2, \$5.4 million at December 3, 20.3 and \$6.9 million at December 3, 20.4
- (4) In 20-2, CompX sold its furniture components operations for a gain, net of income taxes and noncontrolling interest, of \$-5.7 million, which is included in discontinued operations

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 through our wholly owned and majority owned subaldiaries, including NL Industries, Inc., Kronos Worldwide, Inc., CompX International, Inc., Waste Control Specialists LLC ("WCS"), Tremont LLC, Basic Management, Inc. ("BMP") and the LandWell Company ("LandWell"). Kronos (NYSE: KRO), NL (NYSE: NL) and CompX (NYSE MKT: CIX) each file periodic reports with the SEC

We have four consolidated reportable operating segments:

- Chemicals: Our chemicals segment is operated through our majority control of Kronos Kronos is a leading global producer and marketer
 of value added titanium dioxide pigments ("TiO2") TiO2 is used to impart whiteness, brightness, opacity and durability to a wide variety
 of products, including paints, plastics, paper, fibers and ceramics. Additionally, TiO 2 is a critical component of everyday applications,
 such as coatings, plastics and paper, as well as many specialty products such as inks, foods and cosmetics.
- Component Products We operate in the component products industry through our majority control of CompX. CompX is a leading
 manufacturer of security products used in the recreational transportation, postal, office and institutional furniture, cabinetry, tool storage,
 healthcare and a variety of other industries. CompX is also a leading manufacturer of stainless steel exhaust systems, gauges, throutle
 controls and trim tabs for the recreational marine industry.
- Waste Management: WCS is our subsidiary which operates a West Texas facility for the processing, treatment, storage and disposal of a
 broad range of low level radioactive, hazardous, toxic and other wastes. WCS obtained a byproduct disposal license in 2008 and began
 disposal operations at this facility in October 2009. WCS received a low level radioactive waste ("LLRW") disposal license in September
 2009. The Compact LLRW disposal facility commenced operations in 20-2, and the Federal LLRW site commenced operations in 20-3.
 We reached an agreement to sell our Waste Management Segment in November 20-5. See Note 3 to our Consolidated Financial
 Statements.
- Real Estate Management and Development We operate in real estate management and development through our majority control of
 BMI and LandWell BMI provides utility services to certain industrial and municipal customers and owns real property in Henderson,
 Nevada LandWell is engaged in efforts to develop certain land holdings for commercial, industrial and residential purposes in
 Henderson, Nevada In December 20-3, we acquired a controlling interest in each of these companies, and they are included in our results
 of operations and cash flows beginning on January , 20-4 See Note 3 to our Consolidated Financial Statements

Income (Loss) from Operations Overview

Year Ended December 31, 2014 Compared to Year Ended December 31, 2015

We reported a net loss attributable to Valhi stockholders of \$ 33.6 million or \$ 39 per diluted share in 20.5 compared to net income attributable to Valhi stockholders of \$53.8 million or \$ 6 per diluted share in 20.4

Our not income (loss) staributable to Valhi stockholders decreased from 20-4 to 20-5 primarily due to the net effects of:

- the recognition of an aggregate \$ 59.0 million non each deferred income tax asset valuation allowance related to our Chemicals Segment's German and Belgian operations primarily in the second quarter of 20.5;
- lower operating income from our Chemicals Segment in 20 5 compared to 20 4, in part due to a charge associated with the
 implementation of certain work-force reductions primarily in the second quarter of 20 5;
- higher operating losses at our Waste Management segment in 20-5; and
- higher insurance recoveries in 20-4.

Our diluted loss per share attributable to Valhi stockholders in 20-5 includes:

the recognition of the non-cash deferred income tax asset valuation allowance related to our Chemicals Segment's German and Belgian
operations aggregating a charge of \$27;

- a charge of \$ 03 related to our Chemicals Segment's accused workforce reduction costs; and
- Income of \$0 related to income from insurance recoveries

Our diluxed earnings per share attributable to Vallil stookholders in 20-4 includes:

- an aggregate non-cash income tax benefit of \$ 0 (mostly in the second quarter) related to a net reduction in our reserve for uncertain tax
 positions; and
- insurance recoveries of \$ 03

We discuss these amounts more fully below

Year Ended December 31, 2013 Compared to Year Ended December 31, 2014

We reported a net income attributable to Valhi stockholders of \$53.8 million or \$-6 per diluted share in 20-4 compared to a net loss attributable to Valhi stockholders of \$98.0 million or \$-29 per diluted share in 20-3

Our net income attributable to Valhi stockholders increased from 20-3 to 20-4 primarily due to the net effects of:

- operating income from our Chemicals Segment in 20 4 compared to an operating loss in 20 3;
- an aggregate non oash gain related to our purchase of a controlling interest in BMI and LandWell in December 20-3, consisting of (i) a
 gain from the remeasurement of our existing interest in BMI and LandWell to estimated fair value and (ii) a bargain purchase gain related
 to the additional interest in BMI and LandWell acquired in 20-3;
- a loss on the prepayment of debt in 20-3;
- lower environmental remediation and related expenses in 20-4;
- higher insurance recoveries recognized in 20-4;
- a lower operating loss at our Waste Management segment in 20 4; and
- inclusion of operating income from our Real Estate Management and Development Segment beginning January , 20 4

Our diluted earnings per share attributable to Valhi stockholders in 20-4 includes:

- an aggregate non-cash income tax benefit of \$0 (mostly in the second quarter) related to a net reduction in our reserve for uncertain tax
 positions; and
- insurance recoveries of \$ 03

Our diluted loss per share attributable to Valhi stockholders in 20-3 includes:

- a gain of \$\mathbb{C}\$ 4 related to our purchase of a controlling interest in BMI and LandWell in December 20-3;
- insurance recoveries of \$ 02;
- a charge of \$0 related to the voluntary prepayments of the entire \$390 million principal amount of Kronos' term loan; and
- a charge of \$05 related to a litigation settlement of Kronos

We discuss these amounts more fully below

Current Forecast for 2016 .

We currently expect to report higher net income attributable to Valhi stockholders for 20-6 as compared to 20-5 primarily due to the net effects of:

- the 20-5 recognition of an aggregate \$-590 non-cash deferred income tax asset valuation allowance related to the Chemicals Segment's German and Belgium operations
- operating income from our Chemicals Segment in 20 6 as compared to an operating loss in 20 5, in part due to anticipated costs savings
 as a result of its workforce reductions and other cost reduction initiatives;

- lower operating losses at WCS in 20 6 as we expect more revenue from the Compact and Federal LLRW disposal facilities during 20 6;
- lower operating income from our Component Products Segment as we sufficient lower security product sales due to the completion of a large contract during 20 5; and
- lawer expected insurance recoveries received in 20 % compared to 20 %

Critical accounting policies and estimates

We have based the accompanying "Management's Discussion and Analysis of Financial Condition and Results of Operations" upon our Consolidated Financial Statements. We prepare our Consolidated Financial Statements in accordance with accounting principles generally accepted in the United States of America ("GAAP") In many cases the accounting treatment of a particular transaction does not require us to make estimates and judgments. However, in other cases we are required 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 amounts of tevenues and expenses during the reported period. On an on going basis, we evaluate our estimates, including those related to impairments of investments in marketable securities and investments accounted for by the equity method, the recoverability of other long lived assets (including goodwill and other intangible assets), pension and other posteriment benefit obligations and the underlying actuarial assumptions related thereto, the realization of deferred income and other tax assets and actuals for environmental emediation, intigation, income tax contingencies. We have our estimates on historical experience and on various other assumptions we believe are reasonable under the chromatances, the results of which form the basis for making judgments about the reported amounts of assets, liabilities, revenues and expenses.

Our "critical accounting policies" relate to amounts having a material impact on our financial position and results of operations, and that require our most subjective or complex judgments. See Note—to our Consolidated Financial Statements for a detailed discussion of our significant accounting policies.

- Marketable securities We own investments in certain companies 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 inputs as defined in Accounting Standards Codification ("ASC") 820 0.35, Fair Value Measurements and Disclosures, to determine fair value for certain of our common stock, marketable debt securities and publicly traded investees. For other of our marketable debt securities, the fair value is generally determined using Level 2 inputs as defined in the ASC because although these securities are traded in many cases the market is not active and the year end valuation is based on the last trade of the year which may be several days prior to December 3. We use Level 3 inputs to determine fair value of our investment in Amalgamated Sugar Company LLC. See Note 4 to our Consolidated Financial Statements. 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 lasses 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 3 , 20 5, the carrying value (which equals their fair value) of substantially all of our marketable securities approximated the cost basis of each investment. Our investment in The Amalgamated Sugar Company LLC represents approximately 97% of the aggregate carrying value of all of our marketable securities at December 3 , 20 5 and its \$250 million carrying value is equal to its cost basis
- Goodwill Our net goodwill totaled \$379.7 million at December 3., 20.5 resulting primarily from our various step acquisitions of Kronos and NL (which occurred before the implementation of the current accounting standards related to noncontrolling interest) and to a lesser extent CompX's purchase of various businesses in accordance with the applicable accounting standards for goodwill, we do not amortize goodwill

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. A reporting unit can be a segment or an operating division based on the operations of the segment. For example, our Chemicals Segment produces a globally coordinated homogeneous product whereas our Component Products Segment operates as two distinct business units. If the fair value of the reporting unit is less than its book value, the goodwill is written down to estimated fair value.

For our Chemicals Segment, we use Level—inputs of publicly traded market prices to compare the book value to assess impairment. We also consider control premiums when assessing fair value. Substantially all of the goodwill for our Component Products Segment relates to our security products reporting unit. Since 20-3, we have used the qualitative assessment of ASC 350-20-35 for our sumual impairment test of our security products reporting unit and determined it was not necessary to perform the two step quantitative goodwill impairment test, as we concluded it is more likely than not that the fair value of the security products reporting unit exceeded its carrying amount

Considerable management judgment is necessary to evaluate the qualitative impact of events and circumstances on the fair value of a reporting unit. Events and circumstances considered in our impairment evaluations, such as historical profits and stability of the markets served, are consistent with factors utilized with our internal projections and operating plan. However, future events and circumstances could result in materially different findings which could result in the recognition of a material goodwill impairment.

We performed our annual goodwill impairment test in the third quarter of 20.5 for each of our reporting units and concluded there was no impairment of the goodwill for those reporting units. The impairment test as it relates to our security products reporting unit was based on our qualitative assessment, and as a result a quantitative assessment was not required for such reporting unit for 20.5. When we performed our annual goodwill impairment test in the third quarter of 20.5 for our Chemicals Segment goodwill we concluded there was no impairment of such goodwill. However, future events and circumstances could change (i.e. a significant decline in quoted market prices) and result in a materially different finding which could result in the recognition of a material impairment with respect to such goodwill.

Long lived assets. We assess our long lived assets, consisting principally of property, equipment, land held for development and capitalized operating penuit costs for impairment only when circumstances as specified in ASC 360 0 35 Property, Plant, and Equipment, indicate an impairment may exist As a result of continued operating losses, contain long lived assets of our Waste Management Segment were evaluated for impairment as of December 3, 20, 5, WCS has had limited operations as it sought regulatory approval for several licenses it needs for full scale operations WCS obtained a byproduct disposal license in 2008 and began disposal operations in October 2009 In January 20 0 WCS received a LLRW disposal permit Construction of the Compact and Pederal LLRW The Compact LLRW site was fully certified and operational in April 20 2, and the Federal LLRW site was sites began in January 20 fully certified and operational in September 20-2 and commenced operations in the second quarter of 20-3. Revenues in 20-3 dropped significantly in the latter half of 20-3 and the first half of 20-4 as oustomers were unable to ship waste to WCS as a result of an industry wide shortage of approved shipping containers. WCS ordered three shipping containers in 20-2 which were placed into service in 20-4. Shipping volumes increased significantly in the third and fourth quarters of 20 4 reflecting the industry wide easing of transportation issues and WCS had positive gross margins on an annual basis in 20 4 for the first time in its bistory Shipments were negatively impacted by availability of certain classifications of waste shipping containers to us during the latter part of the second quarter of 20 5 In July 20 5 we outcood into an exclusive lessing arrangement to secure dedicated access to two such containers although fully implementing these containers into our shipping schedules has been slower than we anticipated. In November 20.5 we secured the availability of certain shipping containers which had previously been unavailable to us. Our impairment analysis is based on estimated future undiscounted each flows of WCS operations, and this enalysis indicated no impairment was present at December 3, 20, 5 and that the carrying value of WCS is recoverable as the aggregate future undiscounted cash flow estimate exceeded the carrying value of WCS' net assets by at least two times. 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 the timing and amounts of revenue associated with our LLRW facilities, forecasted growth rates and our cost of capital, are consistent with our internal projections and operating plans However, if our future cash flows from operations less capital expenditures were to drop significantly (approximately 75% or more) below our current expectations, it is reasonably likely we would conclude an impairment was present At December 3, 20, 5 the carrying value of WCS total assets was \$23 9 million in additional as noted in Note 3 to our Consolidated Financial Statements we reached an agreement to sell the entirety of our Waste Management Segment in November 20-5 for cash consideration of \$270 million, \$20 million face amount preferred stock and the assumption of all of WCS' third party indebtedness incurred prior to the date of the agreement and such third party consideration is in excess of our carrying amount of WCS total assets at December 3, 20, 5

No other long lived assets in our other reporting units were tested for impairment during 20-5 because there were no circumstances indicating an impairment might exist

- Interest in our Real Estate Management and Development segment in December 20 3. we recognized an indefinite lived customer relations intangible asset of 35 million for long term contracts related to water delivery services to the City of Henderson, Nevada and various other users through a water system owned by BMI. These contracts generally span many years and feature automatic renewing provisions. The City of Henderson water delivery contract extended for a period of 2.5 years, and contained an automatic renewal provision. In assessing the intangible asset for impairment, we first perform a qualitative analysis to determine whether it is more likely than not that the intengible asset has been impaired, using the guidance specified in ASC 305-30. 35 If after assessing the totality of events and circumstances and their potential effect on significant inputs to the fair value decermination, an entity determines that it is not more likely than not that the indefinite lived intangible asset is impaired, then the entity need not calculate the fair value of the intangible asset and perform the quantitative impairment test in accordance with paragraph 350 30 35 9 Based on all relevant events and circumstances considered, we concluded it was not more likely than not that the intangible asset was impaired at December 3 , 20 5, and accordingly we were not required to perform a quantitative impairment analysis. In January 20 6, the water delivery contract with the City of Henderson was amended. As part of such amendment, the automatic renewal provision of the contract was oliminated, and the new contract runs through June 2040. The amendment to the City of Henderson water delivery contract represents an event or circumstance which would trigger the need to perform a quantitative impairment analysis with respect to the intangible asset. However, this January 20, 6 contract amendment represents a subsequent event which is not given accounting recognition at December 3, 20, 5 under ASC 855, 0, 25, 3, as it does not relate to conditions that existed at December 3, 20, 5, Accordingly, the required quantitative impairment analysis will be completed in conjunction with our first quarter 20 6 close. It is possible our impairment review may conclude that the value of the intangible asset is less than the carrying amount, in which case we would recognize an impairment charge in the first quarter of 20 6
- Percentage completion revenue recognition. Certain real estate land sales by our Real Estate Management and Development segment (generally land sales associated with our residential/planned community) require us to complete property development and improvements after title passes to the buyer and we have received all or a substantial portion of the selling price. To date, all of the land sales associated with the residential/planned community have been recognized under the percentage of completion method of accounting in accordance with ASC 970 605-30. Under such method, revenues and profits are recognized in the same proportion of our progress towards completion of our contractual obligations, with our progress measured by costs incomed as a percentage of total costs estimated to be incurred. Such costs incurred and total estimated costs include amounts specifically identifiable with the parcels sold as well as certain development costs for the entire residential/plauned community which are allocated to the parcels sold under applicable GAAP Estimates of total costs expected to be incurred require significant management judgment, and the amount of revenue and profits that have been recognized to date are subject to revisions throughout the development period. The impact on the amount of revenue recognized resulting from any future change in the estimate of total costs estimated to be incurred would be accounted for prospectively in accordance with GAAP.
- Benefit plans We provide a range of benefits including various defined benefit pension and other postretirement benefits ("OPBB") for our employees. We record annual amounts related to these plans based upon calculations required by GAAP, which make use of various actuarial assumptions, such as: discount rates, expected rates of returns on plan assets, compensation increases, employee turnover rates, expected mortality rates and expected health care trend rates. We review our actuarial assumptions annually and make modifications to the assumptions based on current rates and trends when we believe appropriate As required by GAAP, modifications to the assumptions are generally recorded and amortized over future periods. Different assumptions could result in the recognition of materially different expense amounts over different periods of times and materially different asset and liability amounts in our Consolidated Financial Statements. These assumptions are more fully described below under." Assumptions on Defined Benefit Pension Plans and OPBB.
- Income taxes: We recognize deferred taxes for future tax effects of temporary differences between financial and income tax reporting. Deferred income tax assets and liabilities for each tax paying jurisdiction in which we operate are netted and presented as either a noncurrent deferred tax assets or liability, as applicable. We record a valuation allowance to reduce our deferred income tax assets to the amount that is believed to be realized under the more likely than not recognition criteria. While we have considered future taxable income and ongoing prudent and feasible tax planning strategies in assessing the need for a valuation allowance, it is possible that we may change our estimate of the amount of the deferred income tax assets that would more likely than not be realized in the future, resulting in an adjustment to the deferred income tax asset valuation allowance that would either increase or decrease, as applicable, reported not income in the period such change in estimate was made.

For example, at December 3 , 20 5 our Chemicals Segment has substantial net operating loss ("NOL") carryforwards in Germany (the equivalent of \$683 million for German corporate purposes and \$96 million for German trade tax purposes) and in Belgium (the equivalent of \$86 million for Belgian corporate tax purposes), all of which have an indefinite corryforward period. As a result, we have not deforted income tax assets with respect to these two jurisdictions, primarily related to these NOL carryforwards. The German corporate tax is similar to the US federal income tax, and the German trade tax is similar to the US state income tax. Prior to June 30, 20 5, and using all available evidence, we had concluded no deferred income tax asset valuation allowance was required to be recognized with respect to these net deferred income tax assets under the more likely than not recognition criteria, primarily because (t) the carryforwards have an indefinite compforward period, (ii) we utilized a portion of such compforwards during the most recent three year period, and (iii) we expected to utilize the remainder of the compforwards over the long term. We had also proviously indicated that facts and circumstances could change, which might in the future result in the recognition of a valuation allowance against some or all of such deferred income tax assets. However, as of June 30, 20-5, and given our operating results during the second quarter of 20-5 and our expectations at that time for our operating results for the remainder of 20-5, which as discussed elsewhere in this Annual Report have been driven in large part by the trend in our average TiO2 selling prices over such periods as well as the \$2 million pre tax charge recognized in the second quarter of 20 5 in connection with the implementation of certain workforce reductions, we did not have sufficient positive evidence to overcome the significant negative evidence of having cumulative losses in the most recent twelve consecutive quarters in both our Chemicals Segment's German and Belgian jurisdictions at June 30, 20 5 (even considering that the carryforward period of our German and Belgian NOL carryforwards is indefinite, one piece of positive evidence). Accordingly, at June 30, 20-5, we concluded that we were required to recognize a non cash deferred income tax asset valuation allowance under the more likely than not recognition criteria with respect to our German and Belgian net deferred income can assets. Such valuation allowance aggregated \$ 503 million at June 30, 20 5. We recognized an additional \$8.7 million non cash deferred income tax asset valuation allowance under the more likely than not recognition criteria during the second half of 20 5, due to losses recognized by our German and Belgian operations during such period. See Note. 2. to our Consolidated Financial Statements

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

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

Lingation and environmental liabilities. We are involved in numerous legal and environmental actions in part due to NL's former
involvement in the manufacture of lead based products. In accordance with applicable GAAP for accounting for contingencies, we record
accurals for these liabilities when estimated future expenditures associated with such contingencies become probable, and we can
reasonably estimate the amounts of such fiture expenditures. However, new information may become available to us, or circumstances
(such as applicable laws and regulations) may change, thereby resulting in an increase or decrease in the amount we are required to accuse
for such matters (and therefore a decrease or increase in our reported net income in the period of such change). At December 3, 20, 5 we
have recorded total accused environmental liabilities of \$,20,4 million.

Operating income (loss) for each of our four operating segments is impacted by certain of these significant judgments and estimates, as summarized below:

- Chemicals allowance for doubtful accounts, reserves for obsolete or unmarketable inventories, impairment of equity method investments, goodwill and other long lived assets, benefit plans; and loss accounts
- Component Products impairment of goodwill and long lived assets and loss accurals
- Waste Management impairment of long lived assets and loss accruals
- Real Estate Management and Development impairment of long lived assets and revenue recognition under the percentage of completion method of accounting

In addition, general conjugate and other items are impacted by the significant judgments and estimates for impainment of marketable securities and equity method investees, defined benefit proving and OPEB plans, and loss accurals

Segment Operating Results 2014 Compared to 2015 and 2013 Compared to 2014

Chemicals

We consider TiO2 to be 3. "quality of life" product, with designed affected by gross domestic product, or GDP, and overall economic conditions in our markets located in various regions of the world. Over the long term, we expect demand for TiO2 will grow by 2% to 3% per year, consistent with our expectations for the long term growth in GDP. However, even if we and our competitors maintain consistent strang of the worldwide market, demand for TiO2 in any intering or annual period may not change in the same proportion as the change in GDP, in part due to relative changes in the TiO2 inventory levels of our customers. We believe that our ourstothers inventory levels are influenced in part by their expectation for future changes in market TiO2 selling prices as well as their expectation for future availability of product. Although certains of our TiO2 grades are considered specialty pigments, the majority of purigindes and substantially all of our production are considered commodity pigment products with price and availability being the most significant competitive factors along with quality and customer service.

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

- Our TiOs sales and production volumes.
- TiOz selling prices,
- Manufacturing costs, particularly raw coatestals such as third party feedstock ore, resintenance and energy related expenses, and
- Currency exchange rates (particularly the exchange rate for the U.S. dollar relative to the sum, the Norwegian knows and the Canadian dollar)

Our key performance indicators are our TiOz average selling prices, our level of TiOz sales and production volumes and the cost of dur third pany feedstock one TiOz selling prices generally follow industry treads and the selling prices will increase or decrease generally as a result of competitive market pressures

			Year	ns estades	d Djecember 3	31.			% Сами	re-	
			2013		2014	201	<u> </u>	2013	-14	2014-1	<u> </u>
		-		De Nac	(coolless)						
Net pales		\$.	,732 4	\$,65' 9	\$ 1	,348,8	•	(5)%		(1.8) %
Cost of sales	•		,622.6		<u>,304 6</u>	1	<u>,158.5</u>		(20)%		(11)%
Gross margin		5	Ď o 1	\$	3473,	3	190.3	•	26%		(45)%
Operating income (loss)		ŝ	(254)	5	56 8	\$	7.1		225 %		(95)%
Percent of net siles:			· .							£ 1	
Cost of sales	•		94%		79%	ı	86%				
Gross trangin			6%	٠.	2 %	<i>`</i>	4%	7 J			
Operating income (loss)			(7)%		9%	ı	%				
TiOz operating statistics:			•	٠.							
Sales volumes*			488		496		525		96		6%
Production volumes*			474		. 2		528	:	. ₿%	· :	. 3%
Production tate as percent of capacity:			86%		92%	٠,	95%				
Percent change in TiO2 not sales:											- 45-4
TiOx product pricing									(6)%		(14)%
TiO2 sales volumes	Annual Control	٠.				٠.					er Ann
TiOs product mix		-					:				.(2)
Changes in numericy exchange rates						٠.		<u> </u>	Toront .	<u> </u>	(10)
Total									(5)%		(18)%

Thousands of metric tons

Industry conditions and 2015 overview—Due to competitive pressures, our Chemicals Segment's average TiOz selling prices decreased throughout 20-4 and 20-5. Our Chemicals Segment's average selling prices at the end of 20-5 were. 7% lower than at the end of 20-4, with lower prices in all major markets, most notably in North American and certain export exakets. Our Chemicals Segment's average selling prices in 20-5 were also impacted by a higher percentage of sales to lower priced export exakets in 20-5 compared to 20-4. We experienced higher sales volumes in European and export markets in 20-5 as compared to 20-4, partially offset by lower volumes in North American markets in 20-5 as compared to 20-4.

The following table shows our expanity unitization rates during 20 4 and 20 5

				2014	301.5
First Quarter	1.1.1	· .	· · · · · · · · · · · · · · · · · · ·	90%	93%
Second Quarter			•	97%	100%
Third Quarter				96%	95%
Fourth Quarter		•		86%	92%
Overall				92%	95%

Our production expactry utilization rates in the first quarter of 20-4 were impacted by a union labor lockout at our Chemicals Segment's Canadisa production facility that ended in December 20-3, as restart of production at the facility did not begin until February 20-4. Our production rates in the faculty district of 20-4 and the first and fourth quarters of 20-5 were impacted by the implementation of sensin productivity outsancing improvement projects at certain Resilities, as well as necessary improvements to manner continued compliance with our permit regulations, which resulted in longer than normal emintenance strutdowns in some instances.

We continued to experience moderation in the cost of TiOn feedstock are produced from third parties in 20.4 and 20.5. Given the time lag between when third party feedstock are is presented and when the TiOn product produced with such are is sold and recognized in correct of sales, our cost of sales per metric ton of TiOn sold declined throughout 20.4 and 20.5. Consequently, our cost of sales per metric ton of TiOn sold in 20.5 was slightly lower than our cost of sales per metric ton of TiOn sold in 20.4 (excluding the effect of changes in currency exchange rates)

In the second quarier of 20-5, our Chemicals Segment initiated a restructuring plan designed to improve our long term cost strikibre. Apprion of such expected cast asvings are planned to occur through workforce reductions. During the second, third and fourth quariers of 20-5, we implemented certain voluntary and haveluntary workforce reductions at certain of our facilities impacting approximately 60 individuals. We recognized an aggregate \$2-7 million charge in 20-5 (substantially all of which was recognized in the second quarier) for such workforce reductions we first implemented through December 3-, 20-5, \$-0.8 million of which is classified as part of cost of sales and \$-0.9 million of which is classified in selling, general and administrative expense. The charge associated with the workforce reductions implemented in the third and fourth quarters of 20-5, which impacted approximately 30 individuals, was not material due to the applicable law affecting such individuals, which generally provides for a short antice period (if sig.) and the payment of a nominal amount of severance (if any). See Note-9 to our Consolidated Financial Statements

Net Sales Our Chemicals Segment's not sales decreased 8% or \$303 million to 20 5 compared to 20 4, primarily due to the net effect of a 4% decrease in average TiOs selling prices (which decreased net sales by approximately \$23 million) and a 6% lacrease in sales volumes (which increased not sales by approximately \$99 million). TiOs selling prices will increase or decrease generally as a result of compelitive market pressures, changes in the relative level of supply and demand as well at changes in raw material and other manufacturing costs.

Our Chemicals Segment's sales volumes increased primarily due to higher sales in certain European and export markets, partially offset by lower sales in North American markets. We estimate that changes in currency exchange rates decreased our net sales by approximately \$ 38 million, or \$%, as compared to 20.4

Our Chemicals Segment's not sales decreased 5% for \$80.5 million in 20.4 compared to 20.3, primarily due to a 6% decrease in syonage TiO2 selling prices (which decreased not sales by approximately \$.04 million). TiO2 willing 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.

Our Chemicals Segment's sales volumes remained relatively stable in 20 4 as compared to 20 3 as slightly higher sales in Europe were offset by lower sales in certain expert markets. In addition, we estimate the favorable offset of changes in currency exchange rates increased our net sales by approximately \$ 2 million, or %, as compared to 20 3

Cost of Sales Our Chemicals Segment's cost of sales decreased \$ 46 million or \$\%\$ in 20 5 compared to 20 4 due to the net impact of lower raw materials and other production costs of approximately \$26 million (primarily caused by the lower third party feedstock are costs, as discussed above), a 3% increase in TiO2 production volumes and currency fluctuations (primarily the euro) In addition, cost of sales in 20 5 includes approximately \$ 0.8 million of severance costs related to the workforce reduction plan discussed above

Our cost of sales as a percentage of net sales increased to 26% in 20-5 compared to 79% in 20-4, as the unfavorable impact of lower average selling prices and the workforce reduction charge more than offset the favorable effects of lower raw material costs and efficiencies related to higher production volumes, as discussed above

Our Chemicals Segment's cost of sales decreased \$3.80 million or 20% in 20.4 compared to 20.3 due to the net impact of lower raw materials and other production costs of approximately \$250 million (primarily caused by the lower third party feedstock are costs, as discussed above), an 8% increase in TiO2 production volumes and currency fluctuations (primarily the euro). Our cost of sales as a percentage of net sales improved to 79% in 20.4 compared to 94% in 20.3, primarily due to the net effects of lower raw material and other production costs and the lower average TiO2 selling prices discussed above. In addition, cost of sales in 20.3 includes approximately \$.9 million of unabsorbed fixed production and other manufacturing costs associated with the lockout at the Canadian TiO2 production facility and approximately \$.9 million of one time costs resulting from the terms of the new collective bargaining agreement for our Canadian workforce, each of which were charged directly to cost of sales as discussed below.

Unionized employees in our Canadian TiOz production facility were covered by a collective bargaining agreement that expired June 5, 20.3. The Canadian facility represents approximately 9% of our worldwide TiOz production capacity. The union employees represented by the Confederation des Syndicat National ("CSN") rejected our revised global offer, and we declared a lookout of unionized employees upon the expiration of the existing contract. Effective the end of November 20.3, a new collective bargaining agreement was reached with CSN and production at the facility resumed in February 20.4. During the lockout we operated our Canadian plant at approximately 5% of the plant's capacity with non-union management employees. The reduction in our TiOz production volumes at our Canadian facility resulted in approximately \$9 million of unabsorbed fixed production and other manufacturing costs that were charged directly to cost of sales. In addition, we recognized approximately \$9 million in expenses associated with reaching a new collective bargaining agreement, consisting of a net \$7 million on each charge due to the curtailment of one of our Canadian defined benefit pension plans and our Canadian other postretirement benefit plan and approximately \$2 million of severance and other back to work expenses

Gross Margin and Operating Income Our Chemicals Segment's operating income as a percentage of net sales decreased to % in 20 5 from 9% in 20 4. This decrease was driven by the decline in gross margin, which decreased to 4% in 20 5 compared to 2% in 20 4, as well as the negative impact of the workforce reduction charge classified as part of other operating expense (\$ 0.9 million). As discussed and quantified above, our gross margin decreased primarily due to the net effect of lower selling prices, workforce reduction costs classified as part of cost of sales (\$ 0.8 million), lower manufacturing costs (primarily raw materials), higher production volumes, and higher sales volumes. We estimate that changes in currency exchange rates increased operating income by approximately \$40 million in 20 5 as compared to 20 4

Our Chemicals Segment's operating income increased significantly in 20-4, primarily due to the significant increase in our gross margin, which increased to 2 % in 20-4 compared to 6% in 20-3, and the 20-3 litigation settlement charge of 335 million, see Note-7 to our Consolidated Financial Statements. As discussed and quantified above, our gross margin increased primarily due to the net effect of lower manufacturing costs (primarily raw materials), lower selling prices, higher production volumes and 20-3 costs associated with reaching a new Canadian collective bargaining agreement and related unabsorbed fixed costs charged directly to cost of sales. Additionally, changes in currency exchange rates have positively affected our gross margin and operating income. We estimate that changes in currency exchange rates increased operating income by approximately 342 million in 20-4 as compared to 20-3.

Our Chemicals Segment's operating income (loss) is not of amortization of purchase accounting adjustments made in conjunction with our acquisitions of interests in NL and Kinnos. As a result, we recognize additional depreciation expense above the amounts Kronos reports separately, substantially all of which is included within cost of sales. We recognized additional depreciation expense of \$2.6 million in each of 20.3 and 20.4 and \$2.2 million in 20.5, which reduced our reported Chemicals Segment's operating income (loss) as compared to amounts reported by Kronos

Currency Exchange Rates Our Chamical's Segment has substantial operations and assets located outside the United States (primarily in Germany, Belgium, Norway and Canada) The majority of our sales from non US operations are denominated in currencies other than the US dollar principally the euro, other major European currencies and the Canadian dollar Aportion of our sales generated from our non US operations is denominated in the US dollar (and consequently our non US operations will

generally hold US dollars from time to time.] Certain new materials used worldwide, primadly thanium containing feedstocks, are purchased in US dollars, while labor and other production and administrative costs are incurred primarily in total currencies. Consequently, the translated US dollar value of our non-US sales and operating revolls are subject to currency exchange rate fluctuations which may favouably or unfavouably impact reported carnings and may affect the comparability of period to period operating results. In addition to the impact of the translation of sales and expenses, over time, our non-US operations also generate currency transaction gains and losses which primarily relate to (1) the difference between the currency nechange rates in effect when non-local currency sales or operating coars (primarily US dollar denominated) are initially accrued and when such amounts are satisfied with the farm local currency, (ii) changes in currency exchange rates during time periods when our non-US operations are holding non-local currency (primarily US dollars), and (iii) relative changes in the aggregate falt value of currency forward contracts held from time to time. As discussed in Note-S to our Consolidated. Financial Statements, we periodically use currency forward contracts to transage a portion of our currency exchange risk, and relative changes in the aggregate fair value of any currency forward contracts we hold from time to time serves in part to mitigate the currency transaction gains or losses we would otherwise excognize from the first two items described above

Overall, we estimate that fluctuations in currency exchange rates had the following effects on the reported amounts of our sales and operating income (loss) for the periods indicated

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Impact on:	1.0				(a. a. u unsi		
Net sales OpenHing income		.	4		ý (4)	\$ (38) 44	S (38)

The 9.38 million reduction in met sales (translation form) was caused primarily by a strengthening of the US dollar relative to the cure chamicals Segment's our denominated asies were translated into fewer US dollars in 20.5 as compared to 20.4. The strengthening of the US dollar relative to the Canadian dollar and the Norwegian known in 20.5 did not have a significant effect on the reported amount of our net sales, as a unhabital portion of the rales generated by our Chemicals Segment's Canadian and Norwegian operations are denominated in the US dollar

The \$40 million increase in operating income comprised the following net effects:

- A reduction in the amount of her currency transaction gains during the two periods of approximately \$4 million. Such not ourselve intersection gains (lossed) result primarily from US dollar denominated receivables and US dollar currency held by our Chemicals Segment's non US operations, which are translated into the applicable local currency at each balance sheet date. During 20, 4, a relative strengthening of the US dollar relative to the euro and the Norwegian known gave rise to a net \$4 million currency transaction gain, whereas we recognized a normal currency transaction loss during 20, 5, and
- Approximately \$44 million from not currency translation gains caused primarily by a strongthening of the US dollar relative to the Canadian
 dollar and the Norwegian know, as their local currency denominated operating costs were translated into fewer US dollars in 20 3 as
 compared to 20 4. Overall, the strongthening of the US dollar relative to the euro in 20.5 did not have a significant impact on our
 Chemicals Segment's operating income, as the reduction in net sales caused by such strongthening was substantially offset by the effect of our
 eyro denominated operating costs being translated into fewer US dollars

	_	Třansack vá	. ga nu(liosses) re	Seo Etra	ed	Tratidat 60 ga 26- mpatir af	Total currency opers
		2013	2014	<u>-</u>	Change	THE COMPANY	3014 va 2013
Impact on:	· ; • .		,		(a to g cios)		yer in the state of the
Net salas Operating income	8	(4)	4	S	*	\$ 2 34	\$ 2 42

The S 2 million increase in net sales (translation gain) was caused primarily by a weakening of the US dollar relative to the euro, as our euro denominated sales were translated into more US dollars in 20 4 as compared to 20 3. The strengthening of the US dollar relative to the Canadian dollar and the Norwegian knone in 20 4 did not have a significant effect on the reported amount of our Chemicals Segment's net sales, as a substantial portion of the sales generated by our Chemicals Segment's Canadian and Norwegian operations are denominated in the US dollar

The \$42 million increase in operating income comprised the following net effects:

- An increase in the amount of net currency transaction gains (losses) during the two periods of approximately 58 million. Such net currency transaction gains (losses) result primarily from U.S. dollar denominated receivables and U.S. dollar currency held by our Chemicals Segment's non U.S. operations, which are translated into the applicable local currency at each balance sheet date. During 20-3, a telative strengthening of the U.S. dollar relative to the Canadian dollar and the krone, partially offset by a relative weakening of the USD to the euro, gave rise to a net \$4 million currency transaction loss, whereas we recognized a \$4 million currency transaction gain during 20-4, and
- Approximately \$34 million from not currency translation gains caused primarily by a strengthening of the US dollar relative to the Canadian
 dollar and the Norwegian krone, as their local currency denominated operating costs were translated into fewer US dollars in 20 4 as
 compared to 20 3, and the weakening of the US dollar relative to the euro in 20 4 as their US dollar denominated raw materials purchases
 resulted in a favorable currency impact relative to 20 3

Ourlook During 20.5 we operated our Chemicals Segment's production facilities at 95% of practical espacity compared to 92% in 20.4. We expect our production volumes to be higher in 20.6 as compared to 20.5, as our production rates in 20.5 were impacted by the implementation of certain productivity enhancing improvement projects at certain facilities, as well as necessary improvements to ensure continued compliance with our permit regulations, which resulted in longer than normal maintenance shutdowns in some instances. Assuming economic conditions do not deteriorate in the various regions of the world, we expect our sales volumes to be higher in 20.6 as compared to 20.5. We will continue to monitor current and anticipated near term customer demand levels and align our production and inventories accordingly.

We continued to experience moderation in the cost of TiO2 feedstock ore produced from third parties in 20-4 and 20-5. Given the time lag between when third party feedstock ore is produced and when the TiO2 produce produced with such one is sold and recognized in our cost of sales, our cost of sales per metric ton of TiO2 sold in 20-5 was slightly lower than our cost of sales per metric ton of TiO2 sold in 20-4 (excluding the effect of changes in currency exchange rates). We expect our cost of sales per metric ton of TiO2 sold in 20-6 will be lower than our per metric ton cost in 20-5, due in part to the favorable effect of the workforce reductions and other cost reduction initiatives we are undertaking as well as some modest improvement in the cost of feedstock ore

We started 20-5 with selling prices 9% lower than the beginning of 20-4, and prices declined by an additional 7% during 20-5. Industry data indicates that overall TiO2 inventorly held by producers has declined significantly during 20-5. In addition, we believe most customers hold very low inventories of TiO2 with many operating on a just in time basis. With the improvement in sales volumes experienced in 20-5, we continue to see evidence of strengthening demand for our TiO2 products in certain of our primary markets. We and our major competitors announced a price increase in late 20-5, which is expected to be implemented in the first quarter of 20-6, or as contracts allow. The extent to which we will be able to achieve any price increases in the near term will depend on market conditions.

Our Chemicals Segment initiated a restructuring plan in 20-5 designed to improve its long term our structure. A portion of such expected cost savings is planned to occur through workforce reductions. During 20-5, our Chemical's Segment implemented certain voluntary and involuntary workforce reductions at certain of its facilities impacting approximately 60 individuals. As of December 3-, 20-5 we have recognized an aggregate \$2-7 million charge for such workforce reductions we had implemented through that date, \$-0.8 million of which is classified as part of cost of sales and \$-0.9 million of which is classified in selling, general and administrative expense. The workforce reductions we have implemented through December 3-, 20-5 are not expected to negatively impact our shifty to operate our production facilities at their practical capacity rates.

In addition to the workforce reductions implemented through December 3, 20, 5, our Chemicals Segment is also in the process of implementing other cost reduction initiatives throughout the organization, including the implementation of continued process productivity improvements. The workforce reductions we have implemented through December 3, 20, 5, combined with contain open positions that are not expected to be filled and cost savings expected to be realized from other cost reduction initiatives we are undertaking, are expected to result in a psychock of the aggregate workforce reduction charge account at December 3, 20, 5 within approximately one year, the benefit of which we began to recognize in the second half of 20, 5

Overall, we expect our Chemicals Segment's operating income in 20 6 will be higher as compared in 20 5 as a result of:

- the favorable effects of anticipated higher sales and production volumes to 20. S.
- the favorable effect of lower cost feedstock ore, and
- the expected cost savings from workforce reductions and other cost reduction initiatives throughout the organization

However, given, among other things, the level of our average solling prices at the beginning of 20-6, we believe it is possible we would report an operating loss in the first quarter of 20-6

Due to the constraints of high capital costs and extended lead time associated with adding significant new TiO2 production capacity, especially for premium grades of TiO2 products produced from the chloride process, we believe increased and sustained profit margins will be necessary to financially justify major expansions of TiO2 production capacity required to meet expected fining growth to demand. As a result of customer decisions over the last year and the resulting adverse effect on global TiO1 pricing, some industry projects to increase TiO2 production capacity have been made regarding the closure of vertain facilities. Given the lead time regular for production capacity expansions, a shortage of TiO2 products could occur if economic conditions improve and global demand levels for TiO2 increase sufficiently.

Our expectations for our future operating residus are based upon a number of factors beyond our control, including worldwide growth of gross domestic product, competition in the marketplace, continued operation of competitors, unexpected or earlier than expected capacity additions or reductions and technological advances. If actual developments differ from our expectations, our results of operations could be unfavorably affected.

Component Products

Our Component Products Segment's product offerings consist of a significantly large number of products that have a wide variation in selling price and manufacturing cost, which results in certain practical limitations are our ability to quantify the impact of changes in individual product sales quantifies and selling prices on our not sales, cost of goods sold and gross margin tan result from changes in the relative mix of our products sold. The key performance indicator for our Component Products Segment is operating income margina.

			Y	ears ended December 31	ú	% Char	tere
			2013	2014	2015	2013-14	20/4-15
				(Linkser a m H one)			
Net rales		٠.	\$ 92.0	5 03-9	\$ 109.0	3%.	. 5%
Cost of sales			64.5	7 6	75.6	%	. 6%
Gross margin			S 275	\$ 32/3	\$ 33.4	1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964	4%
Operating income			\$ 93	\$ 36	\$ 14,0	46%	2%
Percent of net sales:							
Cost of sales			70%	69%			
Gross margin			30%	3 %	31%		
Operating income	·		0%	3%	13%		

Net Sales Our Component Products Segment's net sales increased approximately \$5 million in 20.5 principally due to higher demand within the security products reporting unit including \$3.0 million related to existing government customers. Sales within the marine component reporting unit increased \$% compared to prior year due to increased deceand for products sold to the ski/wakeboard boat market, including the introduction of new product lines to this product. Relative charges to selling prices did not have a material impact on net sales comparisons.

Our Component Products Segment's net sales increased approximately \$ 9 million in 20 4 principally due to higher demand within the security products reporting unit including \$50 million related to a new initiative for an existing government customer, increased market penetration in electronic locks which increased \$ 7 million in 20 4 and strong demand in transportation markets which increased \$29 million in 20 4 Sales within the marine component reporting unit increased 7% compared to prior year and also contributed to the increase, reflecting greater penetration into non-high performance marine markets. Relative changes in selling prices did not have a material impact on net sales comparisons

Costs of Goods Sold and Gross Margin Our Component Products Segment's cost of sales and gross margin both increased from 20-4 to 20-5 primarily due to increased sales volumes. As a percentage of sales, cost of goods sold were flat primarily due to improved coverage of fixed manufacturing costs over increased production volumes to meet higher demand at each of our reporting units, partially offset by increased costs noted above

Our Component Products Segment's cost of sales and gross mergin both increased from 20-3 to 20-4 primarily due to increased sales volumes. As a percentage of sales, cost of goods sold decreased. % primarily due to improved coverage of fixed manufacturing costs over increased production volumes to meet higher demand at each of our reporting units, partially offset by the impact of lower variable margins due to relative changes in customer and product mix within the security products reporting unit.

Operating Income Our Component Products Segment operating income improved in 20-5 compared to 20-4 and also in 20-4 compared to 20-3 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 disposal of plant, property and equipment Operating costs and expenses increased in 20-5 primarily due to an increase of \$5 million in 20-5 compared to 20-4 as a result of increased personnel costs. Operating costs and expenses increased in 20-4 compared to 20-3 primarily as a result of increased administrative personnel costs and increased depreciation expense in the security products reporting unit partially offset by reduced corporate administrative personnel costs

General Our Component Products Segment'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 comprised of 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 48% of our Component Products Segment's cost of sales in 20.5, with commodity related raw materials accounting for approximately 0% of our cost of sales. With the exception of a moderate midyear 20.4 increase in mined metals, including zinc, worldwide commodity may material costs were mostly stable during 20.3 and 20.4. During 20.5, markets for our primary commodity related raw materials, including zinc, brass and stainless steel, have generally softened and are expected to remain soft well into 20.6. 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. See Item. "Business Component Products Segment. CompX International, Inc. Raw Materials."

Outlook The indust demand for our products experienced in 20.5 was supported by continued high demand from certain large existing customers, including those serving the government security applications and recreational transportation markets. In addition, 20.5 sales included over \$5 million in sales for a government security and user which is not expected to recur in 20.6. We also continue to experience the benefits of innovation and diversification in our product offerings to the recreational boat markets served by our marine components reporting unit. We anticipate continued strong demand for our products in 20.6, though we do not expect demand for government security applications to approach 20.5 volumes. As in prior periods, we will continue to monitor general economic conditions and sales order rates and respond to fluctuations in customer demand through continuous evaluation of staffing levels and consistent execution of our lean manufacturing and cost improvement initiatives. Additionally, we continue to seek apportunities 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.

Waste Management

On November 8, 20 5, we extend into an agreement with Rockwell Holden, Inc. ("Rockwell"), for the sale of WCS to Rockwell for \$270 million in cash, \$20 million face amount in Series A Perferred Stock of Rockwell plus the assumption of all of WCS third party indebtedness incurred prior to the date of the agreement. Additionally, Rockwell and its affiliates will assume all financial assumance obligations related to the WCS business. Rockwell is the parent company of Energy Solutions, Inc.—Completion of the sale is subject to certain customary closing conditions, including the receipt of US antitrust approval, and is expected to close in the first half of 20 6, assuming all closing conditions are satisfied. There out he no assurance that any such sale of WCS would be completed.

Not sales Coul of sales Gross margin Operating foss

	¥.	MIN	dedicit December	21. ,	
	2013		2014		2015
			(Marm Mons)		
3	39.2	3	66.5	5	45.D
	423		49.7		50.5
\$	(3)	\$	6.8	: 3	(8.5)
S	(22 6)	5	(2.2)	ş°	(26.5)

General We have operated our Waste Management Segment's weste management facility on a rolatively limited basis while we navigated the regulatory licensing and permitting requirements for the disposal of hyproduct weste material and a broad range of LLRW and mixed LLRW in May 2008, the TCEQ issued as a license for the disposal of hyproduct material Byproduct material includes transition or thorium mill tailings as well as equipment, pipe and other materials used to handle and process the roll tailings. We began construction of the hyproduct facility infrastructure at our site in Andrews County, Texas in the first quarter of 2008, and this facility began disposal operations in October 2009. In January 2009, the TCEQ issued a stear surface LLRW disposal license to us. This litense was signed in September 2019. Construction of the Compact and Federal LLRW sites began in January 20. The Compact LLRW site was fully certified and operational in September 20. 2 and received its first waste for disposal in the latter part of the second quarter of 20. 3.

Ner Sales and Operating Loss — The Weste Management Segment's are sales decreased \$2.5 million in 20.5 compared to 20.4 Disposal volumes for the second, third and fourth quarters of 20.5 were negatively impacted by availability of certain classifications of waste shipping containers to as beginning during the latter part of the second quarter of 20.5 In July 20.5 we entered into an exclusive lessing arrangement to secure dedicated access to two such containers although fully implementing these containers into our skipping schedules had been slower than we anticipated—In November 20.5 we signed an agreement which allowed us to resume utilizing the shipping containers which had been unavailable to us for much of the year—In addition we benefited from a one time disposal campaign related to the decommissioning of a nuclear power plant which contributed \$5.9 million in disposal revenue in 20.4 and \$4.8 million in 20.5. Lower disposal volumes in 20.5 led to lower coverage of fixed costs as compared to 20.4. As a result, our Waste Management Segment's operating loss increased significantly in 20.5 as compared to 20.4.

The Waste Management Segment's not sales increased in 20-4 compared to 20-3 due to increased disposal volumes in the third quarter and fourth quarters of 20-4. Disposal volumes for these quarters were favorably impacted by the industry wide availability of disposal shipping containers. While disposal volumes were higher in 20-4 as compared to 20-3, the average per unit disposal price was tower in 20-4 thirt to relative changes in the mix of waste disposed. Strong results in the third and fourth quarters of 20-4 allowed for greater coverage of fixed costs as compared to prior periods. As a testil, our Waste Management Segment had operating income in the third and fourth quarters of 20-4 and a lower operating loss for the full year 20-4 compared to the full year of 20-3.

We recognized an operating loss in all years because we have not yet achieved sufficient revenues to offset the high cost structure associated with operating under our hypordure, and LLRW disposal ficenses relative to the waste treatment and disposal volume, in part because we have not consistently secesived sufficient volume of LLRW for disposal in both our Compact and Federal LLRW disposal facilities to overcome our fixed operating cost structure. However, as noted above, our operating results in the second ball of 20.4 were profitable and demonstrate that with consistent disposal activity we can existingly operating losses. We coming to seek to introduce our Waste Management Segment's sales volumes from waste streams permitted under our current licenses.

Our look With both of the Compact LLRW disposal facility and the Federal LLRW disposal facility certified and operational, we may provide "one stop shopping" for treatment, storage and disposal of hazardous, toxic, LLRW and radioactive byproduct material. WCS has the broadest range of capabilities of any commercial enterprise in the US for the storage, treatment and permanent disposal of these materials, which we believe gives WCS a significant and valuable competitive advantage in the industry. We are also exploring apportunities to obtain certain types of new business finithing disposal and storage of seriain other types of waste) that, if obtained, could increase our Waste Management Segment's sales and decrease our Waste Management Segment's sales and decrease our Waste

operating loss Our ability to increase our Waste Management Segment's sales volumes through these waste streams, particularly at it relates to the Compact and Federal LLRW disposal facilities, together with improved operating efficiencies through cost reductions and increased explainty utilization, are important factors in improving our Waste Management operating results and cash flows. We have obtained long term disposal contracts with several waste generators and are actively pursuing additional contracts. We were awarded a national disposal contract for our Federal LLRW disposal facility in April 20.3. The compact is for a period of five years and up to \$300 million; however, tasks awarded under the contract to date have been for smaller dollar value waste streams. We have regularly received waste for disposal since the end of the second quarter of 20.3 for the Federal LLRW disposal facility, but it may be difficult for us to generate positive operating results until we begin routinely receiving larger Federal LLRW streams for disposal. In addition, we are dependent to a certain extent on large commercial projects in order to receive sufficient disposal volumes to operate at full capacity. Most large projects, both federal and commercial, are subject to a competitive bidding and delays in the expected time line for waste disposal to be completed. While we are the only commercial facility licensed to take Class A, B and C LLRW and Mixed LLRW (LLRW mixed with hazardous waste) other facilities can secept Class A facilities that in some circumstances mix waste in such a way that some Class B wanted may meet the Class A disposal requirements at lives.

With the receipt of our recent license amendments and our dedicated shipping containers now in service, including containers we leased to July 20.5, we believe we are positioned to take fill advantage of our disposal facilities going forward. We recognized an operating loss in 20.5 primarily due to delayed disposal shipments including shipments from generator sites which were adversely impacted by the severe winter which limited the ability of some generators to ship waste during the first quarter and the availability of certain classifications of waste shipping containers beginning in latter part of the second quarter through November of 20.5

We believe our Waste Management Segment can become a visible, profitable operation; however, we do not know if we will be successful in improving cash flows. We have in the past, and we may in the future, consider strategic alternatives with respect to our Waste Management Segment. We could report a loss in any such strategic transaction; however we expect to recognize a gain if the pending transaction noted about is successfully closed.

Real Estate Management and Development

						Yearre)	<u>ided Pec</u>	етрьег 11,	
						2014		.20	15.
						. (bmlis	lvij	
Net sales		• .	÷		 8	40	3		30.1
Cost of sales						33	.9		25.4
Gross margle	٠.					(<u> </u>		4.7
Operacing income				·	5	1	.0 5		

General We obtained a controlling interest in our Real Estate Management and Development Segment in December 20-3 Prior to December 20-3, we owned a 32% interest in BMI, which among other things provides utility services to an industrial park located in Henderson, Nevada and is irrepressible for the delivery of water to the city of Henderson and various other users through a water distribution system owned by BMI Prior to December 20-3, we also had a 2% interest in LandWell, which is actively engaged in efforts to develop certain real estate in Henderson, Nevada including approximately 2, 00 acres zoned for residential/planned community purposes and approximately 400 acres zoned for residential/planned to the at December 3, 20-3 BMI owns an additional 50% interest in LandWell in December 20-3 we completed the sequisition of an additional 3 % ownership interest in BMI and and additional 5 % ownership interest in LandWell We completed this acquisition to obtain toritor of an additional 5 with the consecution of HMI and LandWell with the consecution of HMI and LandWell with the consecution of HMI and LandWell in other ownership interest of BMI to 63% and our direct ownership of LandWell to 27%, which also resulted in our control of 77% of LandWell, including the 50% ownership interest held by BMI

Over the years, LandWell and BMI have focused on developing and selling the land transferred to LandWell as part of its formation in the surfy 950's as well as additional land holdings acquired by LandWell in the summeding area subsequent to LandWell's formation (although BMI and LandWell have not had significant real property acquisitions since 2004) Since LandWell's formation, LandWell and BMI have a history of successfully developing and selling over 2004 series of retail, light industrial, commercial and residential projects in the Henderson, Nevada area. However a substantial portion of such projects, field been completed prior to the 2008 conomic downtum, which was particularly scute in the Las Vegas area real estate market which includes Henderson Pollowing such economic downtum, LandWell's land sales were substantially reduced as compared to prior years, and LandWell did not recognize any material amount of land sales in the 2008 to 20-3 time period. During this time period, LandWell has been primarily focusing on the development of a large tract of land in Henderson zoned for residential/planned community pitiposes (approximately 2, 00 acres) Planning and coming work on such project began in 2007, but LandWell delayed significant development

efforts until economic conditions had improved As general economic conditions improved in 20— and 20—2, LandWell began intensive development efforts of the residential/planned community in 20—3 (with BMI acting as the general contractor for all such development efforts) At the time of our December 20—3 acquisition of the additional ownership interests in BMI and LandWell, LandWell owned such 2, 00 acres as well as approximately 400 acres zoned for commercial and light industrial purposes

In December 20-3 and through the end 20-5, LandWell has closed or entered into escrow on approximately 4-0 acres of the residential/planned community and certain other acreage at contracted prices that support the estimated fair value assigned to the land held for development that was acquired with consideration of development costs expected to be incurred after the acquisition date. See Note 3 to our Consolidated Financial Statements Contracts for land sales are negotiated on an individual basis and sales terms and prices will vary based on such factors as location (including location within a planned community), expected development work, and individual buyer needs. Although land may be under contract, we do not recognize revenue until we have satisfied the criteria for revenue recognition set forth in ASC Topic 976. In some instances, we will receive cash proceeds at the time the contract closes and deferred revenue for some or all of the cash amount received, with such deferred revenue being recognized in subsequent periods. Because land held for development was initially recognized at estimated fair value at the acquisition date as required by ASC Topic 805, we do not expect to recognize significant operating income on land sales for the land currently under contract. We expect the development work to continue for 0 to 5 years on the rest of the land held for development, especially the remainder of the residential/planned community.

Prior to gaining control of BMI and LandWell in December 20-3, we accounted for our existing ownership interest in BMI and LandWell by the equity method of accounting, as discussed in Notes 3 and 7 to our Consolidated Pinancial Statements. As noted above, following the 2008 economic downtum LandWell's land sales were substantially reduced as compared to prior years, and LandWell did not recognize any material land sales in the 2008 to 20-3 time period. Consequently, we did not recognize any material amounts of equity in estnings of BMI and LandWell during such time periods. However, we do not believe that LandWell's operating results during such time period are indicative of LandWell's expected future operating results of the fair value of LandWell's assets at the time of our December 20-3 acquisition, given that LandWell had not recognized any material land sales in recent years, the significant development work that had been undertaken in 20-3, the revenue that was expected to be recognized with respect to the land sales that have closed or entered into escribe (as noted above), and an expectation that LandWell will continue its development efforts for the rest of its land held for development, especially the remainder of the residential/planned community.

Net Saler and Operating Income — A substantial portion of the net sales from our Real Estate Management and Development segment in 20.5 consisted of revenues from land sales. We recognized \$2.5 million in revenues on land sales during 20.5 compared to \$3.9 million in 20.4 As noted above we recognize revenue in our residential/planned community under percentage completion accounting and a large majority of the revenue we recognized in 20.4 and 20.5 was under this method of revenue recognition. We also have community property not included in the planned community for which revenue is generally recognized in full at closing, as we generally have no further obligations after the closing date of the sale for these properties. Almost help of our land sales revenue in 20.5 were for such property sales not included in the planned community. The contracts on these sales (both within the planned community and otherwise) include approximately 270 acres of the residential planned community and certain other acreage which closed in December 20.3 and through the end of 20.5 Cost of sales related to land sales revenues was \$.99 million in 20.5 and \$28.8 million in 20.4 The remainder of net sales and cost of sales related to this segment primarily relates to water delivery fixes and expenses. We deliver water to several customers under long term contracts; sales and cost of sales related to water delivery are expected to be relatively consistent from period to period. As noted above, because land held for development was initially recognized at estimated fair value at the acquisition date as required by ASC Topic 805, we did not recognize significant operating income in either 20.4 or 20.5

Outlook Having obtained a controlling interest in BMI and LandWell in December 20-3, we are actively pursuing opportunities to maximize cash proceeds from the sale of our land held for development. In the near term, we are focused on developing and selling land we manage, primarily to residential builders, for the approximately 2, 00 acres zoned for residential/planned community in Henderson, Novada. We expect the development work for the residential/planned community to continue over the next several years, including those parcels currently under contract for which the development work is expected to be completed in 20-7. As noted above, we do not expect to recognize significant amounts of operating income related to these sales for the parcels currently under contract; however, we do expect to generate cash proceeds from these sales in excess of our acquisition costs, which proceeds are expected to be used, in part, to fund ongoing development work for the remainder of these properties

General Corporate Items, Interest Expense, Provision for Income Taxos (Benefit), Noncontrolling Interest and Related Party Transactions

Securities Earnings A significant portion of our interest and dividend income in 20-3, 20-4 and 20-5 relates to the distributions we received from The Amalgamated Sugar Company LLC We recognized dividend income from the LLC of \$25.4 million in each of 20-3, 20-4 and 20-5

Insurance Recoveries Insurance recoveries relate to amounts NL received from certain of its former insurance carriers, and relate principally to the recovery of prior lead pigment and asbestos litigation defense costs incurred by NL. We have agreements with four former insurance catriers 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. Substantially all of \$ 0.4 toillion in the insurance recoveries we recognized in 20.4 relate to a settlement NL reached with one of its insurance carriers in September 20.4 in which it agreed to reimburse NL for a portion of its past litigation defense costs. While we continue to seek additional insurance recoveries for lead pigment and asbestos litigation matters, we do not know the extent to which we will be successful in obtaining additional reimbursement for either defense costs or indemnity. Any additional insurance recoveries would be recognized when the receipt is probable and the amount is determinable. Substantially all of the insurance recoveries recognized in 20.3 and 20.5 relate to reimbursement of ongoing litigation defense costs. See Note. 7 to our Consolidated Financial Statements.

Other General Corporate Rems: We recognized an aggregate non-cash gain of \$54.6 million related to our purchase of a controlling interest in BMI and LandWell in December 20-3, consisting of (i) a gain from the remeasurement of our existing interest in BMI and LandWell to estimated fair value and (ii) a bargain purchase gain related to the additional interest in BMI and LandWell acquired. See Note 3 to our Consolidated Pinancial Statements

Corporate expenses were 2% higher at \$39 6 million in 20 5 compared to \$38 8 million in 20 4 Corporate expenses increased primarily due to higher administrative related expenses in 20 5, offset in part by lower environmental remediation and related costs and to a lesser extent lower-lingation and related costs in 20 4 Included in corporate expense are:

- linigation and related costs at NL of 34 8 million in 20 5 compared to \$7 0 million in 20 4; and
- environmental remodiation and related costs of \$5.7 million in 20.5 compared to \$6.6 million in 20.4.

Comparate expenses were 63% lower at \$38.8 million in 20-4 compared to \$-05.3 million in 20-3. Corporate expenses decreased primarily due to lower environmental remediation and related costs and to a lesser extent lower in litigation and related costs in 20-3. Included in corporate expense are:

- litigation and related costs at NL of \$70 million in 20 4 compared to \$ 0.2 million in 20 3; and
- environmental remediation and related costs of \$6 6 million in 20 4 compared to \$69 0 million in 20 3

Overall, we currently expect that our net general corporate expenses in 20 6 will be lower than in 20 5 primarily due to lower expected environmental remediation and related costs and lower litigation 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-frial motions, trial or appeal, if applicable). See Note 7 to our Consolidated Financial Statements. If our current expectations regarding the number of cases in which we expect to be involved during 20 6, or the neture of such cases, were to change our corporate expenses could be higher than we currently estimate.

Obligations for environmental remediation and related costs are difficult to assess and estimate, and it is possible that actual costs for environmental remediation and related costs will exceed accrued amounts or that costs will be incurred in the future for sites in which we cannot currently estimate the liability If these events occur in 20-6, our corporate expense could be higher than we currently estimate in addition, we adjust our accruals for environmental remediation and related costs as further information becomes available to us or as circumstances change. Such further information or changed circumstances could result in an increase or reduction in our accrued environmental remediation and related costs. See Note 7 to our Consolidated Pinancial Statements

Loss on Prepayment of Debt and Interest Expense — Interest expense increased to \$59.0 million in 20.5 from \$56.7 million in 20.3 primarily due to the net effects of higher 20.5 average debt levels and mostly offset by lower average interest rates on outstanding borrowings (principally Kronos' term loan amended in May 20.5)

Interest expense increased slightly to \$56.7 million in 20.4 from \$56. million in 20.3 primarily due to the net effects of higher 20.4 average debt levels of our Chemicals Segment as a result of the transactions noted above and the addition of 3cbt related to the acquisition of BMI and LandWell, offset by lower average interest rates on outstanding homowings (principally Kronos' new term losn issued in February 20.4)

in 20-3, we recognized an aggregate \$8.9 million pre-tax charge, consisting of the write off of unamortized original issue discount costs and deferred financing costs related to the voluntary prepayment of Kronos' prior term loss by \$290 million in the first quarter of 20-3 and the remaining \$-00 million in the third quarter of 20-3. See Note 9 to our Consolidated Financial Statements

We expect interest expense will be slightly higher in 20-6 as compared to 20-5 due to higher average balances of outstanding borrowings at Valhi and higher average interest rates as a result of the increase in the prime rate on variable rate debt and the Kronos interest rate swap. See Note -9 to oux Consolidated Financial Statements

Provision for Income Taxes (Benefit) We recognized income tax expense of \$97.3 million in 20-5 compared to income tax expense of \$32.5 million in 20 4 As discussed above in "Critical Accounting Policies and Estimates" subsection, our income tax expense in 20 5 includes an aggregate non cash deferred income tax expense of \$ 590 million related to the recognition of a deferred income tax asset valuation allowance for our German and Belgian operations (mostly recognized in the second quarter). We continue to believe we will ultirostely realize the full benefit of our Ornnau and Belgian NOL. carry forwards, in part because of their indefinite carry forward period. However, our ability to reverse all or a portion of such valuation allowance in the future is dependent on the presence of sufficient positive evidence, such as the existence of cumulative profits in the most recent twelve consecutive quarters, and the ability to demonstrate frame profitability for a sustainable period. Until such time as we are able to reverse the valuation allowance in full, to the extent we generate additional losses in Gomany or Belgium in the intervening periods, our effective income tax rate would be impacted by the existence of such valuation allowance, because such losses would effectively be recognized without any associated per income tax benefit, as such losses would result in a further increase in the deferred income tax asset valuation allowance. Alternatively, until such time as we are able to reverse the valuation allowance in full, to the extent we generate income in Germany or Belgium in the intervening periods, our effective income tax rate would also be impacted by the existence of such valuation allowance, because such income would effectively be recognized without any associated ner income tax expense, as we would reverse a portion of the valuation allowance to office the income tax expense attributable to such income. In addition, any change in tax law related to the indefinite carryforward period of these NOLs could adversely impact our ability to reverse the valuation allowance in full Consistent with our expectation regarding our consolidated results of operations in 20-6 (as discussed above in the "Chemicals Outlook" subsection), we currently believe it is likely Kronos' German and Belgian operations will report improved operating results in 20 6 as compared to 20 5. However, we currently do not expect that our German and Belgian operating results would improve to such an extent in 20 6 that reversal of the valuation allowance in full would be supported by the presence of sufficient positive evidence

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 stack because the exemption under GAAP to avoid such recognition of defetred income taxes is not available to us. There is a maximum amount (or cap) of such deferred income taxes we are required to recognize with respect to our direct investment in Kronos, and we previously reached such maximum amount in the fourth quarter of 20 0 Since that time and through March 3, 20 5, we were not required to recognize any additional deferred income taxes with respect to our direct investment in Kronos because the deferred income taxes associated with the excess of the financial reporting carrying amount over the income tax basis of our direct investment in Kronos common stock continued to be above such cap. However, at June 30, 20 5, the deferred income taxes associated with the excess of the financial reporting carrying amount over the income tax basis of our direct investment in Kronos common stock was, for the first time since the fourth quarter of 20 0, below such cap, in large part due to the net loss reported by Kronos in the second quarter of 20-5. Accordingly, our provision for income taxes in 20-5 includes on aggregate non cash income tax benefit of \$29-3 million for the reduction in the deferred income taxes required to be recognized with respect to the excess of the financial reporting carrying amount over the income tax basis of our direct investment in Kronos common stock, to the extent such reduction related to our equity in Kronos net loss. A substantial portion of such 329 3 million was recognized to the second quarter of 20 5, with the remainder recognized in the third and fourth quarters. Such amount is included in the table of our income tax rate reconciliation for incremental net benefit on earnings and losses on non US and US subsidiaries in Note 2 to our Consolidated Financial Statements (in addition to the other items indicated above). A portion of such reduction also related to our equity in Kronos' other comprehensive income (loss) items, and the amounts shown in the table above for income tax expense (benefit) allocated to other comprehensive income (loss) includes amounts related to our equity in Kronos' other comprehensive income (loss) items

Our income tax expense was favorably impacted by an aggregate non-cash income tax benefit of \$3.7 million in 20.4 (mostly in the second quarter) related to a net reduction in our reserve for uncertain tax positions

As discussed above, our income tax expense in 20.5 includes a non-cash deferred income tax expense of \$.590 million related to the recognition of a deferred income tax asset valuation allowance for our German and Belgian operations, and a non-cash deferred income tax benefit of \$29.3 million associated with the reduction in the deferred income taxes required to be recognized with respect to the excess of the financial reporting carrying amount over the income tax basis of our direct investment in Kronos common stock. Generally, we expect the effective tax rate associated with our non U.S. earnings to be lower than our U.S. statutory tax rate of 35%. Excluding the investment the investment may positions in 20.4, our effective tax rate in such period was lower than the U.S. federal statutory tax rate of 35% primarily due to our son U.S. earnings. Our effective tax rate in 20.5, excluding the impact of the deferred income tax asset valuation allowance and the deferred income tax benefit associated with our direct investment in Kronos we recognized, was higher than the U.S. federal statutory tax rate of 35%, primarily due to a current U.S. income tax benefit attributable to current year losses of one of our Chemical Segment's non U.S. subsidiaries

We recognized income tax expense of \$32.5 million in 20.4 and an income tax benefit of \$9.0 million in 20.3. This difference is primarily due to fluctuations in our earnings. See Note. 2 to our Consolidated Financial Statements for a tabular reconciliation of our statutory tax expense to our actual tax expense. Some of the more significant items impacting this reconciliation are summarized below. Our income tax benefit in 20.3 includes an aggregate 2. million benefit related to the re-measurement of our deferred income tax liability with respect to our investment in BMI from capital gains rates to dividend veceived deduction rates, including the deferred income taxes related to (i) the gain from the remeasurement of our existing investment in BMI to estimated fair value and (ii) the bargain purchase gain related to the additional ownership interest in BMI acquired in December 20.3. See Notes 3 and 2 to our Consolidated Financial Statements. See Note 2 to our Consolidated Financial Statements for a tabular reconciliation of our statutory tax expense to our actual tax expense, and a summation of some of the more significant items impacting this reconciliation.

Moncontrolling Interest in Net Income (Loss) of Subsidiaries - Noncontrolling interest in operations of subsidiaries decreased from 20-5 to 20-4 primarily due to decreased operating income at Kronos Noncontrolling interest in continuing operations of subsidiaries increased from 20-4 to 20-3 primarily due to increased operating income at Kronos and the addition of noncontrolling interest in BMI and LandWell during 20-4

Related Party Transactions We are a party to certain managerions with related parties. See Note 6 to our Consolidated Financial Statements

Assumptions on Defined Benefit Pension Plans and OPEB Plans.

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

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

We recognized consolidated defined benefit pension plan expense of \$36.2 million in 20.3, \$22.0 million in 20.4, and \$23.7 million in 20.5 Included in our 20.3 defined benefit plan expense is a curtailment charge of \$7.3 million resulting from amendments to one of our Canadian plans. Censin non US employees are covered by plans in their respective countries, principally in Gormany, Canada and Norway. Participation in the defined benefit pension plan in Gennany was closed to new participants effective in 2005. German employees hired beginning in 2005 participate in a new plan in which the retirement benefit is based upon the amount of employee and employer contributions to the plan, but for which in accordance with German law the employer guarantees a minimum rate of return on invested assets and a guaranteed indexed lifetime benefit payment after retirement based on the participant's account balance at the time of return and guaranteed with GAAP, the new pension plan is accounted for as a defined benefit plan, principally because of such guaranteed minimum rate of return and guaranteed (lifetime benefit payment. Participation in the defined benefit plan in Canada with respect to hourly and salaried workers was closed to new participants in December 20.3 and 20.4, respectively, and existing hourly and salaried plan participants will no longer accrue additional defined pension benefits after December 20.3 and 20.4, respectively. Our US plan for both NL and Kronos was closed to new participants in .996, and existing participants no longer accrued any additional benefits after that date. The amount of funding tequirements for these defined benefit pension plans is generally based upon applicable regulations (such as ERISA in the US) and will generally differ from pension expense recognized under GAAP for financial reporting purposes. We made contributions to all of our defined benefit pension plans of \$28.4 million in 20.3, \$2.7 million in 20.4, and \$8.0 million in 20.5.

The discount rates we use for determining defined benefit persion expense and the related persion obligations are based on content interest rates carried on long term bonds that receive one of the two highest ratings given by recognized rating agencies to 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 3. valuation date to reflect then consent interest rates on such long turn bonds. We use these discount rates to determine the actuarial present value of the pension obligations as of December 3. 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 3, 20, 5, approximately 63%, 5%, 8% and 0% of the projected benefit abligations related to our plans in Germany, Canada, Norway and the U.S., respectively. We use several different discount rate assumptions in determining our consolidated defined benefit pension plan obligation and expense. This is because we maintain defined benefit pension plans in several different countries in Europe and North America and the interest rate environment differs from country to country.

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

		D scount rates used fort.	
	Obi gar ous at December 31, 2013 and experse in 2014	Obligations at December 31, 2014 and expense a 2019	Obi get per at December 31, 2018 and expense a 2016
Kronos end NL Plens? Georgany	 3 5%	2 3%	23%
Causda	47%	3 8%	
Norway US	4 0% 4 5%	23% 38%	and the second s

The assumed long term rate of return on plan assets represents the estituated average rate of earthings expected to be caused on the funds invested onto be invested in the plans' assets provided to fund the benefit payments inherent in the projected benefit obligations. Unlike the discount rate, which is adjusted each year based on changes in current long term interest rates, the assumed long term rate of return on plan assets will not necessarily change based upon the actual short term performance of the plan assets in any given year. Defined benefit perioduc 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 actual return are defended and amountized over future periods based either upon the expected average remaining service like of the active plant participants for which benefits are still being carned by active employees) or the average remaining life expectancy of the inautive participants (for plants for which benefits are not still being carned by active employees)

At December 3, 20 5, the fair value of plan assets for all defined benefit plans comprised \$476 million related to US plans and \$3825 million related to foreign plans Substantially all of plan assets artributable to foreign plans related to plans malmained by Kronos, and approximately 7 % and 29% of the plan assets attributable to US plans related to plans maximizated by NL and Kronos, respectively At December 3, 20, 5, approximately 58%, 24%, 2% and 4% of the plan assets of Kronos' plans were in Germany, Canada, Horway and the US, respectively. We use several different takes of return on plan asset assumptions in determining our consolidated defined benefit pension plan expense. This is because the plan assets in different countries are invested in a different mix of investments and the long term reas of return for different invested in a different mix of investments and the long term reas of return for different investments from country to country.

In determining the expected long term rate of return on plan asset assumptions, we consider the long term used mix (e.g. equity so fixed income) for the assets for each of our plans and the expected long term rates of return for such asset components. In addition, we receive third party advice about appropriate long term rates of return. Substantially all of the assets of our U.S. plan are invested in the Combined Master Relifement Trust ("CMRT"), a collective investment trust spoosored by Contran to permit the collective investment by certain master trusts which fund certain amployee benefits sponsored by Contran and certain of its affiliates, including us. Such assumed asset mixes are discussed in Note. — to our Consolidated Financial Statements.

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

				Dec	eenber 31	l, 2019			
		Geroon	ž.	Catada		Narwey	<u> </u>	CMRT	<u> </u>
Equity securities and limited parmerships	-		20%	 -	36%		2%	•	56%
Pixed income securities			70		56		62		38
Real estate			9	:			. 9 -		
Other					8		7		б
Total	٠.,		00%		00%	1	60 %		00%
				<u>D</u> ee	ժյուհայաց Ֆ <u>ի</u>	<u>, 2</u> 014			
		German	§ .	Canada		Norway	<u>, </u>	. Смжа	······································
Equity scennities and limited partnerships		German	9%	Canada	8mber 31	Norway	3%	СМЯСТ	60%
Equity scennities and limited partnerships Fixed income socurities	. ·	German	 .	Canada		Norway			60% 32
	. •	German	9%	Canada	43%	Norway	3%		
Fixed income socurities	. •		9%	Camada	43%	Norway	3%		60% 32

We regularly review our actual asset allocation for each non US plant and will periodically schalance the investments in each plan to more accurately selfect the targeted allocation when considered appropriate. The CMRT trustee and investment committee do not maintain a specific target asset allocation in order to achieve their objectives, but instead they periodically change the asset mix of the CMRT based upon, smong other things, advice they receive from third party advisors and their expectations regarding potential returns for various investment attendatives and what asset mix will generate the greatest overall actum while maintaining an acceptable level of risk

The assumed long term rates of return on plan assets used for purposes of determining net period pension cost for 20-3, 20-4 and 20-5 were as follows:

				2013	2014	2015
Kronovand NL plans:		1.0	·			
Germany				48%	43%	43%
Cartada				. 58%	5.5%	58%
Norway			 	4 8%	3,8%	3 8%
US .		,	 	0.0%	7 5%	7.5%

We currently expect to use the same long term rate of return on plan asset assumptions in 20-6 as we used in 20-5 for purposes of determining the 20-6 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 fitting compensation levels, the projected benefit obligations and the pension expense will be based in part upon expected increases in future compensation levels. For all of our plans for which the benefit formula is so estendated, we generally base the assumed expected increase in future compensation tevels upon average long tests inflation rates for the applicable country.

In addition to the acruarial assumptions discussed above, this amount of recognized defined benefit pension expense and the amount of net pension making inability will vary based upon relative changes in camency exchange rates

A reduction in the assumed discount rate generally results in an actuarial loss, as the actuarially determined present value of estimated fitture benefit payments will increase. Conversely, an increase in the assumed discount rate generally results in an actuarial gain. In addition, in 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 accuarial loss. Other actual outcomes that differ from previous assumptions, such as individuals living longer or shorter than assumed in mortality (ables, which are also used to determine the actuarially determined present value of estimated fature benefit payments, changes in such mortality table from elves or plan amendments, will also result in actuarial losses or gains. These amounts we recognized in other comprehensive income. In addition, any actuarial gains generated in future periods would reduce the negative amortization effect of any cumulative unrecognized actuarial losses, while any actuarial losses generated in future periods would reduce the favorable amortization effect of any cumulative unrecognized actuarial losses, while any actuarial losses generated in future periods would reduce the favorable amortization effect of any cumulative unrecognized actuarial losses.

During 20-5, our defined benefit pension plans generated a combined net actuarial gain of \$3 million. This actuarial gain resulted primarily from the increase in discount rates from December 3-, 20-4 to December 3-, 20-5, partially offset by an actual return on plan assets during 20-5 below the expected return

Based on the actuarial assumptions described above and our current expectations for what actual average currency exchange rates will be during 20-6, we currently expect our aggregate defined benefit pension expense will approximate \$22 million in 20-6. In comparison, we currently expect to be required to make approximately \$-6 million of aggregate contributions to such plans during 20-6.

As noted above, defined benefit pension expense and the amounts recognized as prepaid and accused pension costs are based upon the accuantal assumptions discussed above. We believe all of the accuantal assumptions used are reasonable and appropriate. If we had lowered the assumed discount rates by 25 basis points for all of our plans as of December 3, 20, our aggregate projected benefit obligations would have increased by approximately \$29 million at that date, and our aggregate defined benefit pension expense would be expected to increase by approximately \$2 million during 20.5 Similarly, if we lowered the assumed long term rates 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 \$2 million during 20.5

OPEB Plans. We provide certain health care and life insurance benefits for certain of our eligible retired employees. See Note... to our Consolidated Financial Statements. As December 3, 20, 5, approximately 54%, 25% and 2, % of our aggregate account OPEB costs relate to Kronos, NL and Tremont, respectively. Kronos provides such OPEB benefits to eligible retirees in the US. Under accounting for other postretirement employee benefits, OPEB expense and account 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.

Based on such acquarial assumptions and our option expectation for what actual average currency exchange rates will be during 20-6, we expect our consolidated OPEB benefit will approximate 3 million in 20-6 because our OPEB plans have no plan assets we will be required to make the entire benefit as of contributions to such plans during 20-6

We believe that all of the actuarial assumptions used are reasonable and appropriate. However, if we had lowered the assumed discount rate by 25 hasis points for all plans as of December 3, 20, 5, our aggregate projected benefit obligations at that date and our OPEB cost during 20, 5 would increase by approximately 3 3 million. Similarly, a one percent assumed change in health care trend rates for all plans would not materially impact our OPEB costs.

Foreign Operations

We have substantial operations located outside the United States, principally our Chemicals Segment's operations in Europe and Canada The functional currency of these operations is the local currency As a result, the reported amount of our assets and liabilities related to these foreign operations will fluctuate based upon changes in currency exchange rates. At Docember 3, 20, 5, we had substantial net assets denominated in the euro. Canadian dollar and Norwegian krone.

LIQUIDITY AND CAPITAL RESOURCES

Consolidated Cash Flows

Operating Activities

Trends in each flows from operating activities (excluding the impact of significant asset dispositions and relative changes in assets and liabilities) are generally similar to trends in our operating income

Cash flows from operating activities decreased from \$67.3 million in 20.4 to \$22.5 million in 20.5. This \$44.8 million decrease in cash provided by operations was primarily due to the net effects of the following items:

- consolidated operating loss of \$5.4 million in 20.5, a decline of \$75.6 million compared to operating income of \$70.2 million in 20.4;
- lower net cash paid for income taxes in 20 5 of \$23.2 million resulting from our decreased profitability;
- lower net distributions received from our TiO2 joint venture in 20 5 of \$4 million, primarily due to the timing of the joint venture's working capital needs;

- lower cash funding of pension plans in 20 5 of \$3 7 million; and
- changes in receivables, inventories, payables and account highlities in 20 5 provided \$2 3 million in not cash compared to not each
 used of \$69 million in 20 4, an increase in the amount of cash provided of \$392 million compared to 20 4, primarily due to the
 relative changes in our laventories, receivables, prepaids, land held for development, payables and accounts

Cash flows from operating activities decreased from \$ 7 million in 20 3 to \$673 million in 20 4 This \$498 million decrease in each provided by operations was primarily due to the net effects of the following items:

- consolidated operating income of 3-70 2 million in 20-4, a \$308 9 million improvement compared to an operating loss of \$-38.7 million in 20-3;
- higher not cash paid for income taxes it; 20 4 of 5 7 8 million resulting from our increased profitability;
- Lower cash funding of pension plans in 20 4 of \$6.7 million; and
- changes in receivables, inventories, payables and account liabilities in 20 4 used \$5 6.9 million of net cash in 20 4, a decrease in the
 amount of cash provided of \$4 0.5 million compared to 20 3, primarily due to the relative changes in our inventories, receivables,
 prepalds, land held for development, payables and accounts, primarily due to a significant amount of cash provided by relative changes in
 our laventories in 20 3 resulting principally fram lower in ventory costs in our Chemicals Segment

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

- Kronos' average days sales but standing ("DSO") increased from December 3, 20, 4 to December 3, 20, 5 due to higher sales volume in 20, 5, partially offset by the offset of lower sales prices in the fourth quarter of 20, 5 as compared to the fourth quarter of 20, 4.
- Kinnes' everage days sales in inventory ("DSI") increased from December 3., 20 4 to December 3., 20 5 due to higher inventory volumes offset by lower inventory raw material costs.
- CompX's average DSO decreased slightly from December 3 , 20 4 to December 3 , 20 5 as a result of the timing of sales and collections in the last month of 20 5 as compared to 20 4
- CompX's average DSI decreased from December 3 , 20 4 to December 3 . 20 5 to more normal levels following the intentional fourth
 quantum inventory build at the end of 20 4, in anticipation of elevated sales to early 20 5

Por comparative purposes, we have also provided comparable prior year numbers below

		D	201 3		 Décomber 2014	31, .		December 31., 2015
Kronos: Days sales outstanding Days sales in inventory			`. 	62 days 75 days	 · · · · · · · · · · · · · · · · · · ·	6 days 76 days		őő day s 80 days
Comp.X: Days sales outstanding Days sales in inventory	· ·.			35 days 76 days	···:	32 days 90 days	.·	31.days 76 days

We do not have complete access to the east flows of our majority owned subsidiaries, due in part to finitalious equalities in certain credit agreements of our subsidiaries and because we do not own 00% of these subsidiaries. A detail of our consolidated cash flows from operating activities is presented in the table below. Intercompany dividends have been eliminated.

		Years anded December 31,	
	1013 .	2014	2015
		(La ma Grona)	
Cash provided by (used in) operating			
acifytuss.			
Krones	§ 30	\$ 87.6	\$ 52,0
Valli exclusive of subsidiaries	60 (3	12.3
CompX	[4) 12	13.5
 NL exclusive of subsidiaries 	9	20	15,6
Waste Control Specialists	(7)	5)	(12.2)
Tremont	i i i i i i i i i i i i i i i i i i i	rj 37	(.6)
вмі .		59	(1.7)
LandWell		(3)	4.8
Other .	(1	6) (6)	
Eliminations	(79	(75.6)	(61.2)
Total	5 7	\$ 673	\$ 22.5

Investing Activities

We disclose capital expenditures by our business segments in Note 2 to our Consolidated Financial Statements. All of our capitalized permit costs relate to our Waste Management, Segment

During 20 5 we had not proceeds of \$ 4 million from the disposal of marketable securities and we had not restricted cash payments of \$2.9 million, see Note 7 to our Consolidated Financial Statements

During 20, 4 we had not purchases of \$ 2 million of marketable recurities and we received a net \$ 8.6 million from the release of restricted cash, see Notes 2 and 7 to our Consolidated Financial Statements

We had the following investing activities during 20 3:

- we paid \$5 3 million in each (plus we issued a promissory note and a deferred payment obligation) in purchase additional interests in BMI and LandWell in December 20. 3. These businesses had \$27.4 million in each and cash equivalents at the December 3., 20. 3 acquisition date, see Note 3 to our Consolidated Financial Statements.
- we collected \$3.0 million in principal payments on a note receivable;
- we received \$ 6 million in net proceeds on the sale of an asset held for sale;
- we made required payments of \$ 4 million to certain collateral foursts for WCS; and
- we received not proceeds from the sales and purchases of all other marketable securities of \$3.2 million in market transactions

Financing Activities

During 20 8, we:

- borrowed a net \$40 million on Value's greath facility with Contran; and
- repaid \$ 3 million under Tremont's promiseory nate payable

During 20 4, we:

- horrowed \$348.3 million under Kronos' new term loan and subsequently repaid \$2.6 million;
- repaid \$ 70 0 million under Kronos' note payable to Contras;
- borrowed \$8.0 million ander Kranes' North American credit facility and subsequently repaid \$92. million;

- borrowed a net \$ 7.2 million on Valhi's credit facility with Contran;
- repaid 5 7 million under Tremont's promissory note payable;
- borm wed \$\cong \text{million from a Canadian economic development agency and}
- repaid \$ 9 million under BMT's bank note payable

During 20-3, we:

- voluntarily prepaid \$390 0 million principal amount of Kronos' term toan;
- borrowed \$ 90 0 million under Kronos' new note payable to Contran, and subsequently repaid \$20 0 million;
- borrowed \$\frac{2}{62}\$ million and subsequently repaid \$\frac{5}{6}\$ 0 million under Kronos' North American credit facility;
- boπowed € 0 million (\$ 2.8 million when borrowed) on Krongs' European credit facility and subsequently repaid €20 million (\$26.5 million when repaid);
- borrowed \$-7 million from a Canadian economic development agency;
- prepaid \$ 8.5 million remaining principal amount under CompX's promissory note payable to Timer Finance Management Company, a subsidiary of TIMBT (a company formerly affiliated with us);
- borrowed a net \$48.9 million on Valhi's credit facility with Contran; and
- Krones repurchased 49,000 shares of its common stock in open market transactions for \$7 million

We paid aggregate cash dividends on our common stock of \$679 million in 20-3, \$3373 million in 20-4 and \$27 million in 20-5 (\$ 05 per share in the first quarter of 20-4, and \$02 per share for the second, third and fourth quarters of 20-4 and each quarter of 20-5). Distributions to concompositing interest in 20-3, 20-4 and 20-5 are primarily comprised of NL dividends paid to shereholders other than us; CompX dividends paid to shareholders other than NL; and Kronos cash dividends paid to shareholders other than NL; and NL; and

Other cash flows from financing activities in 20-3, 20-4 and 20-5 relate principally to shares of common stock issued by us and our subsidiaries upon the exercise of stock options or the issuence of shares to directors

Outstanding Debt Obligations

At December 3, 20, 5, our consolidated indebtedness was comprised of:

- Valhi's \$250 million loan from Snake River Sugar Company due in 2027;
- Valhi's \$263 8 million outstanding on its \$325 million credit facility with Contran which is due no earlier than December 3, 20, 7;
- \$343.9 million aggregate borrowing under Kronos' term loan (\$338.0 million carrying amount, net of unamortized original issue discount and debt issuance costs) due through Pebruary 2020;
- WCS' financing capital lease with Andrews County, Texas (\$65.6 million outstanding) which has an effective interest rate of 7.0% and is due in monthly installments through August 2035;
- Tremont's promissory note payable (\$ 7 million outstanding) due in December 2023;
- \$9.4 million on BMI's bank note payable (\$9.3 million carrying amount, net of debt issuance costs), due through January 2025;
- \$3 million on LandWell's note payable to the City of Henderson due to October 2020; and
- approximately \$ 3.6 million of other indobtedness, primarily capital lease obligations

Certain of our credit facilities require the respective borrowers to majorato a number of covenants and restrictions which, among other things, restrict our ability to incur additional debt, incur liens, pay dividends or merge or consolidate with, or sell or transfer substantially all of our essets to, another entity, and contain other provisions and restrictive covenants customary in lending transactions of this type. Certain of our credit agreements contain provisions which could result in the acceleration of indebtedness prior to their stated maturity for reasons other than defaults for failure to comply with typical financial or payment covenants. For example, covain credit agreements allow the lender to accelerate the maturity of the indebtedness upon a change of control (as defined in the agreement) of the horower. In addition, certain credit agreements could result in the acceleration of all or a portion of the

indebtedness following a sale of assets outside the ordinary course of business Kronos' North American and European revolvers contain a number of covenants and restrictions which, among other things, restrict its 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 leading transactions of this type. Kronos' European revolving credit facility also requires the maintenance of certain financial vatios, and one of such requirements is based on the ratio of net debt to the last twelve months EBITDA of the borrowers. The terms of all of our debt instruments (including revolving lines of credit for which we have no outstanding borrowings at December 3, 20, 5) are discussed in Note 9 to our Consolidated Financial Statements. We are in compliance with all of our debt covenants at December 3, 20, 5. We believe that we will be able to continue to comply with the financial covenants contained in our credit facilities through their maturity.

Future Cash Requirements

Liquidity

Our primary source of liquidity on an ongoing basis is our eash flows from operating activities and borrowings under various lines of credit and notes. We generally use these amounts to (i) fund capital expenditures, (ii) repay short term indebtedness incurred primarily for working capital purposes and (iii) provide for the payment of dividends (including dividends paid to us by our subsidiaries) or treasury stock purchases. From time to time we will incur indebtedness, generally to (i) fund short term working capital needs, (ii) refinance existing indebtedness, (iii) make investments in marketable and other securities (including the acquisition of securities issued by our subsidiaries and affiliates) or (iv) fund major capital expenditures or the acquisition of other assets outside the ordinary course of business. Occasionally we sell assets outside the ordinary course of business, and we generally use the proceeds to (i) repay existing indebtedness (including indebtedness which may have been collateralized by the assets sold), (ii) make investments in marketable and other assets outside the ordinary course of business or (iv) pay dividends

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 the estimated sales value of those units. As a result of this process, we have in the past sought, and may in the future seek, to raise additional capital, refinance or restructure indebtedness, repurchase indebtedness in the market or otherwise, modify our dividend policies, consider the sale of our interests in our subsidiaries, affiliates, business units, 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 and our subsidiaries may enter into intercompany loans as a cash management tool. Such notes are structured as revolving demand notes and pay and receive interest on terms we believe are more favorable than current debt and investment market rates. The companies that borrow under these notes have sufficient horrowing capacity to repay the notes at any time upon demand. All of these notes and related interest expense and income are eliminated in our Consolidated Financial Statements.

We periodically evaluate acquisitions of interests in or combinations with companies (including our affiliates) that may or may not be engaged in businesses related to our correction with this socivity, 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.

We believe we will be able to comply with the financial covenants contained in our credit facilities through their maturities; however, if future operating results differ materially from our expectations we may be unable to maintain compliance. 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 (defined as the twelve month period ending December 3, 20, 6) and long term obligations (defined as the five year period ending December 3, 2020). In this regard, see the discussion above in "Outstanding Debt Obligations." If actual developments differ from our expectations, our liquidity could be adversely affected.

At December 3, 20, 5, we had credit available under existing facilities of \$,54% million, which was comprised of:

- \$25.3 (!) million under Kronos' European revolving credit facility;
- \$68.3 million under Kronos' North American revolving credit facility; and
- \$6 2 @ million under Valhi's Contran credit facility
- () Based on the terms of Kronos' European credit facility (including the net debt to EBITDA financial test discussed above), and the borrowers' EBITDA over the last twelve months ending December 3 , 20 5, Kronos' borrowing availability at December 3 , 20 5 under this facility is approximately 9% of the credit facility, or €23 million
- (2) Amounts available under this facility are at the sole discretion of Contran

At December 3 , 20 5, we had an aggregate of \$235 9 million of restricted and unrestricted cash, cash equivalents and marketable securities. A detail by entity is presented in the table below.

		:	Total emaunt	ਮੋੜੀਰੇ ਰਾਸ਼ਤ ਹੋਣ U.S.
			(Is to Uto	■ ()
Kronos		\$	94.5 8	78.1
Comp.K			52.3	
NL exclusive of its subsidiaries			48.6	
WCS	•		16.8	
BM1	: · ·		5.7	
Tremont explusive of its subsidiaries			8.8	
LandWell			9.0	
Valhi exclusive of its subsidiaries			A	•
Total cash and cash egulvalents, restricted	cash and marketable	ė <u> </u>		
Becutifies		\$	235.9 8	78.3

Capital Expenditures and other investments

We correctly expect our aggregate capital expenditures for 20-6 will be approximately \$96 million as follows:

- \$63 million by our Chemicals Segment, including approximately \$9 million in the area of environmental compliance, protection and improvement;
- \$ 9 million by our Waste Management Segment;
- \$4 million by our Component Products Segment; and
- \$ 0 million by our Real Estate Management and Development Segment

The WCS amount includes approximately \$2 million to espitalized operating permit costs. In addition LandWell expects to spend approximately \$2 million on land development easts during 20 6 (which are included in the determination of each provided by operating activities)

Capital spending for 20 6 is expected to be funded printerly through cash generated from operations and borrowing under existing credit facilities. Plaqued capital expenditures in 20 6 at Kronos and CompX will printerly be to maintain and improve the con effectiveness of our facilities. A significant portion of Kronos' planned capital expenditures in 20 6 relates to the impleasemation of a new sectioniting and manufacturing system. In addition, Kronos' capital expenditures in the area of environmental compliance, protection and improvement include expenditures which are primarily focused on increased operating efficiency but also result in improved environmental protection, such as lower emissions from our manufacturing plants.

Repurchases of our Common Stock and Common Stock of Our Substituties

We have in the past, and may in the future, make repurchases of our common stock in market or privately regolished transactions. At December 3, 20, 5 we had approximately 4.0 resilion shares available for repurchase of our common stock under the authorizations described in Note. 4 to our Consolidated Financial Statements.

Prior to 20.3, Kronos' brand of directors sutherized the repurchase of up to 2.8 million shares of its common stock in open market fransactions, including block purchases, or in privately negotiated transactions at unspecified private and over an unspecified period of time. Kronos may repurchase its common stock from time to time as market conditions permit. The stock repurchase program does not include specific price targets or timetables and may be suspended at any time. Depending on market conditions, Kronos may terminals the pargram prior to its completion. Kronos will use cash on hand its acquire the shares. Repurchased shares will be udded to Kronos' measury and cancelled. In the third quarter of 20.3 Kronos repurchased approximately 49,000 shares for an aggregate of \$ 7 million under its repurchase program. The third quarter purchases are the only purchases. Kronos has made to date under the plan and at December 3., 20.5 approximately. 95 million shares are available for repurchase.

Prior to 20-3, CompX's board of directors authorized various repurchases of its Class A common stock in open market transactions, including black purchases, or in privately negotiated transactions at unspecified prices and over an unspecified period of time. CompX may repurchase its common stock from time to time as market conditions permit. The stock repurchase program does not include specific price targets or timetables and may be suspended at any time. Depending on market conditions, CompX may terminate the program prior to its completion. CompX will generally use cash on hand to acquire the shares. Repurchased shares will be added to CompX's treasury and cancelled. CompX did not make any repurchases under the plan during 20-3, 20-4 and 20-5, and at December 3-, 20-5 approximately 678,000 shares were available for purchase under these authorizations.

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. If Kronos pays its regular dividend of \$ 5 per share in each quarter of 20 6, based on the 58 0 million shares we held of Kronos common stock at December 3 , 20 5, we would receive aggregate annual regular dividends from Kronos of \$34 8 million. During 20 3 NL paid a quarterly cash dividend of \$ 25 per share. We received aggregate annual dividends from NL of \$20.2 million in 20 3 based on the 40.4 million shares we held of NL common stock during those periods. In Pebruary 20 4 NL's Board of Director's deferred consideration of NL's first quarter dividend, and no dividend was paid by NL in the first quarter of 20 4. In May 20 4, NL's Board of Directors suspended NL's cash dividend. We did not receive any distributions from NL during 20 4 or 20.5 and we do not know if we will receive any cash dividends from NL during 20 6. We did not receive any distributions from WCS during 20 5, and we do not expect to receive any during December 20 3, will pay cash dividends, but the timing and amount of such dividends are uncertain. In this regard, we received aggregate dividends from BMI and LandWell of \$7.0 million in the first quarter of 20 4, and we received aggregate dividends from BMI and LandWell during 20 6. All of our ownership interest in CompX is held through our ownership in NL, as such we do not receive any dividends from CompX. Instead any dividend paid by CompX is paid to NL.

Our subsidiaries have various credit agreements with unrelated third party lenders which contain customary limitations on the payment of dividends, typically a percentage of not income or cash flow; however, these restrictions in the past have not significantly impacted their ability to pay dividends

Investment in our Subsidiaries and Affiliates and Other Acquisitions

We have in the past, and may in the finure, purchase the securities of our subsidiaries and affiliates or third parties in market or privately negotiated transactions. We base our purchase decision 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 restricturing of ownership interests of our businesses among our subsidiaries and related companies.

We generally do not guarantee any indebtedness or other obligations of our subsidiaries or affiliates. Our subsidiaries are not required to pay us dividends. If one or more of our subsidiaries were unable to maintain its current level of dividends, either due to restrictions contained in a credit agreement or to satisfy its liabilities or otherwise, our ability to service our liabilities or to pay dividends on our common stock could be adversely impacted. If this were to occur, we might consider reducing or eliminating our dividends or solling interests in subsidiaries or other assets. If we were required to liquidate assets to generate funds to satisfy our liabilities, we might be required to sell at what we believe would be less than what we believe is the long term value of such assets.

WCS' primary source of liquidity currently consists of intercompany borrowings from one of our wholly owned subsidiaries under the terms of a revolving credit facility. We eliminate these intercompany borrowings in our Consolidated Pinancial Statements. WCS has borrowed substantial amounts from us over the years. Prior to 20-5, we contributed these amounts to WCS' capital. WCS had borrowed an aggregate \$33 million from our subsidiary in 20-3 which we contributed to WCS's capital. WCS did not borrow any amounts from us during 20-4. During 20-5, WCS borrowed an aggregate \$9-9 million from our subsidiary, and WCS could borrow an additional \$4-0 million under its current intercompany facility with such subsidiary at December 3-.

20-5 It is probable WCS will borrow additional amounts from our subsidiary during 20-6 under the terms of the revolving credit facility.

We have an unsecured revolving demand promissory note with NL whereby, as amended, we agreed to loan NL up to \$40 million. We also eliminate any such intercompany homowings in our Consolidated Financial Statements. We had no loans to NL during 20.5 under this facility, which as amended is due on demand, but in any event no earlier than March 3.20.7 and no later than December 3.20.7 Our obligation to loan NL money under this note is at our discretion.

We have an unsecured revolving demand promissory note with Kronos which, as amended, provides for borrowings from Kronos of up to \$ 00 million. We also eliminate any such intercompany borrowings in our Consolidated Financial Statements. We had no borrowings from Kronos during 20-5 under this facility, which as amended is due on demand; but in any event no earlier than December 3-, 20-7 Kronos' obligation to loan us money under this note is at Kronos' discretion.

Investment in The Amalgamated Sugar Company LLC

The terms of The Amalgamated Sugar Company LLC Company Agreement provide for an annual "base level" of cash dividend distributions (sometimes referred to as distributable cash) by the LLC of \$26.7 million, from which we are entitled to a 95% preferential share. Distributions from the LLC are dependent, in part, upon the operations of the LLC. We record dividend distributions from the LLC as income when they are declared by the LLC, which is generally the same month in which we receive the distributions, although distributions may in certain cases be paid on the first business day of the following month. To the extent the LLC's distributable cash is below this base level in any given year, we are entitled to an additional 95% preferential share of any fiture annual LLC distributable cash in excess of the base level until such shortfall is recovered. Based on the LLC's current projections for 20-6, we expect distributions received from the LLC in 20-6 will exceed our debt service requirements under our \$250 million loans from Snake River Sugar Company by approximately \$-8 million.

We may, at our option, require the LLC to redocm our interest in the LLC, and the LLC has the right to redeem our interest in the LLC beginning in 2027. The redomption price is generally \$250 million plus the amount of certain undistributed income allocable to us, if any In the event we require the LLC to redeem our interest in the LLC, Snake River has the right to accelerate the manurity of and cell our \$250 aggregate million losas from Snake River Redemption of our interest in the LLC would result in us reporting income related to the disposition of our LLC interest for income tax purposes, although we would not be expected to report a gain in earnings for financial reporting purposes at the time our LLC interest is redeemed. However, because of Snake River's ability to call our \$250 million losas from Snake River upon redemption of our interest in the LLC, the net cash proceeds (after repayment of the debt) generated by the redemption of our interest in the LLC could be less than the income taxes that we would be required to pay as a result of the disposition.

Off-balance Shoot Pinancing

We do not have any off balance sheet financing agreements other than the operating leases discussed in Note 7 to our Consolidated Financial Statements

Commitments and Contingencies

We are subject to certain commitments and contingencies, as more fully described in the Notes to our Consolidated Financial Statements and in this Management's Discussion and Analysis of Financial Condition and Results of Operations, including:

- certain income tax examinations which are underway in various US and non US jurisdictions;
- corrain environmental remediation matters involving NL, Tremont, BMI and Valhi;
- certain litigation related to NL's former involvement in the manufacture of lead pigment and lead based paint; and
- certain other litigation to which we are a party

In addition to those legal proceedings described in Note 7 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 NL) with respect to asserted health concerns associated with the use of such products and (ii) effectively overturn court decisions in which NL and other pigment manufacturers have been successful. Examples of such proposed legislation include bills which would permit civil liability for demages 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

As more fully described in the Notes 9 and 7 to our Consolidated Financial Statements, we are a party to various debt, lease and other agreements which contractually and unconditionally commit us to pay certain amounts in the future. Our obligations related to the long term supply contracts for the purchase of TiOn feedstock are more fully described in Note 7 to our Consolidated Financial Statements and above in "Business Chambrals Segment Krones Worldwide, Inc. Manufacturing, Operations and Properties" The following table summarizes our contractual commitments as of December 3, 20, 5 by the type and date of payment

		Payment due date								
Contracted count twent		2016		2017/ 		2019/ 2020		702 Land after		Tetal:
					(lin	oo Jloone)				
Indebtedness ():				·	٠	·	_		_	
Principal	Ş	4,7	3	2890	\$	354	5	366.5	5	,0243
Interest payments		.588	٠.	04.4		· 764		77.6		4 72
Operality Journs (2)		4		33		8 0		23.6		563
Kromos' long term supply comracts for the purchase of TiOz feedstock (3)		340 5		456 4		68 0			:	. 8649
Kroegs' long term service and other supply contracts (4)		50 4		7		. 57		95		46.7
CompX's raw material and other purchase commitments (5)		98	7. ·		٠.	500				99
WCS collateral total (6)		69		3 €		3.8		42		. 82 6
Fixed asset acquisitions (2)		253	.`	. 27			٠.			280
BMI and LandWell purchase commitments (7)										
Deferred payment obligation (8)										
Estimated income tax obligations (9)	•	57								57
Total	. \$	524 6	S	9508	. ,3	536,0	\$. 6364	\$	2,6478

- () The amount shown for indebtedness involving revolving credit facilities is based upon the amount outstanding at December 3., 20.5, and the amount shown for inverse for any outstanding variable rate indebtedness is based upon the December 3., 20.5 interest rate, reflects the not impact of the associated interest rate rwap and assumes that such variable rate indebtedness remains outstanding until the maturity of the facility. The titting and amount shown for principal payments on term loan indebtedness is based on the mandatory contractual principal repayment schedule of such indebtedness, and assumes no voluntary principal prepayments. See Item 7A. "Quantificative and Qualitative Disclosures About Market Risk" and Note 9 to our Consolidated Financial Statements.
- (2) The timing and amount shows for our optiming leases and fixed asset acquisitions are based upon the contractual payment amount and the contractual payment date for such commitments
- Our contracts for the purchase of TIOz feedstock contain fixed quantities that we are required to purchase based on our feedstock requirements. The pricing under these agreements is generally negotiated quarterly or semi-annually. The timing and amount shown for our commitments related to the supply contracts for TiOz feedstock are based upon our coment estimate of the quantity of material that will be purchased in early flore period shown, the payment that would be due based upon such estimated purchased quantity and an estimate of the prices for the various suppliers which is primarily bessel so first half 20 6 pricing. The octual amount of material purchased and the actual amount that would be payable by us, may vary from such estimated amounts. Our obligation for the purchase of TiOz feedstock is more fully described in Note. 7 m our Consolidated Financial Statements and above in "Business. Chemicals Segment. Known Worldwide, fac. ray materials." The amounts rhown in the table above include the feedstock ore requirements from contracts we entered into thorugh Pehrunry 20 6
- (4) The amounts shown for the long term service and other supply contracts primarily pertain to agree protes we have entered into with various providers of products or services which help to run our plant facilities (electricity, restoral gas, etc.), utilizing December 3, 20, 5 exchange takes. See Note, 7 to our Consolidated Financial Systemats.
- (5) CompX's purchase obligations consist of all open purchase orders and contractual obligations (primarily commitments to purchase as westerals) and are based on the contractual payment amount and the contractual payment date for those commitments
- (6) The funding requirements for WCS collateral frust agreements are described in Note 7 to our Consolidated Financial Statements
- (7) HMI and Land Well's purchase obligations cousin of contractual obligations (primarily commitments for land development and improvement costs) and are based on the contractual payment and the contractual payment date for those continuous
- (8) The defended payment offication is described in Note 3 to our Consolidated Financial Statements
- (9) The amount shown for income taxes is the amount of our cooscilidated indome taxes curieutly payable at December 3, 20, 5, which is assumed to be paid during 20, 6 and includes taxes payable, if any, to Control as a result of our being a member of the Control Tax Group. See Notes and 6 to our Consolidated Financial Statements.

The table above does not include:

- Our obligations under the Louisians Figment Company, LP joint venture, as the timing and amount of such purchases are unknown and
 dependent on, among other things, the amount of TiO2 produced by the joint venture in the fittire, and the joint venture's fittire cost of
 producing such TiO2. However, the table of contractual commitments does include amounts related to our share of the joint venture's ore
 requirements necessary for it to produce TiO2 for us. See Notes 7 and -7 to our Consolidated Pinancial Statements and "Business
 Chemicals Kronos Worldwide, Inc."
- Amounts we might pay to fund our defined benefit pension plans and OPEB plans, as the timing and amount of any such future fundings
 are unknown and dependent on, among other things, the future performance of defined benefit pension plan assets, interest rate
 assumptions and actual future retiree medical costs. Our defined benefit pension plans and OPEB plans are discussed in greater detail in
 Note to our Consolidated Financial Statements. We currently expect we will be required to contribute an aggregate of \$6.9 million to
 our defined benefit pension and OPEB plans during 20.6
- 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. 2 to our Consolidated Financial Statements.

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

Recent Accounting Pronouncements

See Note 20 to our Consolidated Financial Statements

ITEM 7A. OUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

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

Interest Rates - We are exposed to market risk from changes in interest rates, primarily related to our indebtedness

At December 3, 20, 5 our aggregate indebtedness was split between 36% of fixed rate instruments and 64% of variable rate borrowings (in 20, 4 the percentages were 38% of fixed rate instruments and 62% of variable rate borrowings). The fixed rate door instruments minimizes causings volatility, that would result from changes in interest rates. The following table presents principal amounts and weighted average interest rates for our aggregate outstanding indebtedness of December 3, 20, 3

The table below shows the fair value of our financial liabilities at December 3, 20, 5

			indebtedness= Amanas				Year and	
				ity ng white	Pa s Value		mierek . rank	Marer by date
				(Le to	a E ons)		· · · · ·	
Fixed rate indebtedness:	1.5							
Valhi loans from Snake River		:	\$	250.0	S	250,A	9.4%	2027
Tremont promissory note payable		٨		i7A		17.1	3.0	2023
WCS financing capital lease	•			65.6		65.6	7.0	2035
Note payable to the City of Henderson	·. •			3,1		31	3.0	2020
Total fixed rate indebtedness			•	335.8		335.8	8.5%	
Variable rate indebtedness:					: .			. : .
Kropes term loan			\$	338.0	\$	309.5	4.0%	1020
Valhi Contran credit facility		-		263.8		263.8	45.	. 2017
BMI bank note payable				9.3		9.3	3.5.	2025
Total variable rate indebtedness.	•			61(.1		582.6	4.2%	
Total			9	946,9	\$	918.4	5.8%	

Excludes capital lease obligations

As pan of our interest rate risk management strategy, in 20.5 we entered into a pay fixed/receive variable interest rate swap contract to minimize our exposure to volatility in the benchmark LIBOR interest rate as it relates to our interested outstanding variable rate indebtedness. As a result of this swap the amount of interest expense we will not input the amount of interest expense recognized. Considering the effects of the interest tate swap approximately 72% of our debt would be considered fixed rate and our weighted average homowing rate for such indebtedness would be 6. % See Note. B to our Consolidated Financial Statements for a discussion of this interest rate swap.

Currency Exchange Rates We are exposed to market risk arising from changes in currency exchange rates as a result of manufacturing and stilling our products worldwide Barnings are primarily affected by fluctuations in the value of the US dollar relative to the cure, the Canadian dollar and, the Norwegian krone

Centain of our sales generated by our non US operations are denominated in US dollars. We periodically use currency forward contracts to manage a very nominal portion of currency exchange rate risk associated with trade receivables denominated in a currency other than the holder's functional oursency or similar exchange rate risk associated with fitting sales. We have not entered into these contracts for trading or speculative purposes in the future. See Note. 8, to our Consolidated Financial Statements for a discussion of centain operacy forward contracts to which we are a party of December 3., 20. 5.

See Notes—and. 8 to our Consolidated Financial Statements for a discussion of the assumptions we used to estimate the fair value of the financial instruments to which we are a party at December 3, 20, 4 and 20, 5

Row Moveriols — Our Chemicals Segment generally extens into long term sopply agreements for certain critical row materials. Many of these law material contracts contain fixed quantities we are required to purchase or specify a range of quantities within which we are required to purchase. Row material pricing under these agreements is generally precitated quantity or semi annually depetiting on the suppliers.

Our Component Products Segment will occasionally enter into short term commodity related raw material supply arrangements to mitigate the impact of future increases in commodity related raw material costs. We 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 downside risk of price volatility to be too great or because long term supply agreements for those materials are generally not available. We do not engage in commodity hedging programs

Marketable Equity and Debt Security Prices We are exposed to market risk due to changes in prices of the marketable accurrities we own. The fair value of such debt and equity securities (determined using Level , Level 2 and Level 3 inputs) at December 3, 20, 4 and 20, 5 was 3256,8 million and \$258,3 million, respectively. The potential change in the aggregate fair value of these investments, assuming a hypothetical 6% change in prices, would be approximately \$25.7 million at December 3, 20, 4 and \$25,8 million at December 3, 20, 5

Other— We believe there may be a certain amount of incompleteness in the sensitivity analyses presented above. For example, the hypothetical effect of changes in interest rates discussed above ignores the potential effect on other variables that affect our results of operations and cash flows, such as demand for our products, sales volumes and selling prices and operating expenses. Contrary to the above assumptions, changes in interest rates rarely result in simultaneous comparable shifts along the yield curve. Also, our investment in The Amalgamated Sugar Company LLC represents a significant portion of our total portfolio of marketable securities. That investment serves as collateral for our loans from Snake River Sugar Company, and a decrease in the fair value of that investment would likely be mitigated by a decrease in the fair value of the related indebtedness. Accordingly, the amounts we present above are not an eccessarily an accurate reflection of the potential losses we would incur assuming the hypothetical changes in market prices were actually to occur

The above discussion and estimated sensitivity analysis amounts include forward looking statements of market risk which assume hypothetical changes in market prices. Accordingly, such forward looking statements should not be considered to be projections by us of future events, gains or losses.

ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

The information called for by this item is contained in a separate section of this Annual Report. See "Index of Financial Statements" (page F)

TTEM 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 disclosure controls and procedures which, as defined in Exchange Act Rule 3s 5(e), means controls and other procedures that are designed to ensure that information required to be disclosed in the reports we file or submit to the SEC under the Securities Exchange Act of 934, 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 securmitated and communicated to our management, including our principal executive officer and our principal financial officer, or persons performing similar functions, as appropriate to allow timely decisions to be made regarding required disclosure Each of Steven L. Watson, our Chairman of the Board and Chief Executive Officer, and Bobby D. O'Brien, our Director, President and Chief Pioancial Officer, have evaluated the design and effectiveness of our disclosure controls and procedures as of December 3, 10, 5. Based upon their evaluation, these executive officers have concluded that our disclosure controls and procedures were effective as of the date of such evaluation.

Management's report on internal control over financial reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting which, as defined by Exchange Act Rule 3a 5(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 generally accepted accounting principles, 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 Pinaucial Statements

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 20-3 (commonly referred to as the "20-3 COSO" framework). Based on our evaluation under that framework, we have concluded that our internal control over financial reporting was effective as of December 3-, 20-5

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 3 , 20 5, as stated in their report, which is included in this Annual Report on Form 0 K

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 any financial statement schedules which would be required by Article—2 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 3 , 20 5 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting

Certifications

Our chief executive officer is required to annually file a contification with the New York Stock Exchange, or NYSE, certifying our compliance with the corporate governance listing standards of the NYSE. During 20-5, our chief executive officer filed such annual certification with the NYSE. The 20-5 certification was unqualified.

Our chief executive officer and chief financial officer are also required to, among other things, file quarterly certifications with the SEC regarding the quality of our public disclosures, as required by Section 302 of the Sarbanes Oxley Act of 2002. The certifications for the quarter ended December 3, 20, 5 have been filed as Exhibits 3, and 3, 2 to this Annual Report on Form, 0 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 20-6 definitive proxy statement we will file with the SEC pursuant to Regulation 4A within 20 days after the end of the fiscal year covered by this report (the "Valhi Proxy Statement")

ITEM 11. EXECUTIVE COMPENSATION

The information required by this Item is incorporated by reference to our 20-6 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 20 if proxy statement

TTEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS AND DIRECTORS INDEPENDENCE

The information required by this Item is incorporated by reference to our 20-6 proxy statement. See also Note -6 to our Consolidated Financial

ITEM 14. PRINCIPAL ACCOUNTING FEES AND SERVICES

The information required by this Item is incorporated by reference to our 20-6 proxy statement

PART (V

ITEM 15. EXHIBITS

Statements

(a) and (c) Financial Statements

The Registrant

Our Consolidated Financial Statements listed on the accompanying Index of Financial Statements (see page P^-) are filed as part of this Annual Report

50% or less owned persons

We are not required to provide any consolidated financial statements pursuant to Rule 3-09 of Regulation S X

(b) Exhibits

Included as exhibits are the items listed in the Exhibit Index. We have retained a signed original of any of these exhibits that contain signatures, and we will provide such exhibit to the Commission or its staff upon request. We will famish a copy of any of the exhibits listed below upon request and payment of \$4.00 per exhibit to cover our costs of furnishing the exhibits. Such requests should be directed to the attention of our Corporate Secretary at our corporate offices located at 5430 LBJ Freeway, Suite.

700, Dallas, Texas 75240 Pursuant to kem 60 (b)(4)(iii) of Regulation S K, we will furnish to the Commission upon request any instrument defining the rights of holders of long term debt issues and other agreements related to indebtedness which do not exceed. 0% of our consolidated total assets as of December 3., 20.5

Leim Ma	Exh'b Index
3	Restated Certificate of Incorporation of Valla, Inc. incorporated by reference to Exhibit 3—to our Current Report on Form 8 K (File No. 5467) dated May 0,20 2 and filed on May 0,20 2
31	Consent Agreement dated as of March 29, 2007 between Valhi, Inc. and Contran Corporation regarding the Amended and Registed Cortilicate of Designations, Rights and Preferences of 6% Series A Preferred Stock of Valhi, Inc. incorporated by reference to Exhibit 0.2 to our Corrent Report on Form 8 K/A (File No. 5467) dated March 26, 2007 and filed by us on March 30, 2007
3 3	By Laws of Valbi, the as amended incorporated by reference to Exhibit 3 of our Current Report on Form 8 K (Fife No 5457) dated November 6, 2007
Ó	Intercomposite Services Agreement between Vallai, Inc. and Contran Corporation effective as of January 1,2004 incorporated by reference to Exhibit 0 to our Quartedy Report on Form 0 Q for the quarter ended March 3 1,2004
0.2	Insercorporate Services Agreement between Contrac Corporation and NL Industries, inc. affective as of January 2004 incorporated by reference to Exhibit 0 to NL's Quarterly Report on Form 0 Q (File No 640) for the quarter ended March 3 , 2004
03	Intercorporate Services Agreement between Contran Corporation and CompX International Inc. effective January , 2004 incorporated by reference to Exhibit 0.2 to CompX's Annual Report on Form 0 K (File No 3905) for the year ended December 3, 2003
04	Intercorporate Services Agreement between Contran Corporation and Krozios Worldwide, Into effective January, 2004 incorporated by reference to Exhibit No. 0 - to Krozios Quantely Report on Fosia: 0 Q (File No 3-763) the time quarter ended March 3-, 2004
0.5**	Tax Agreement between Valhi, Inc. and Contran Corporation dated June 3, 20-5
06*	Valhi, inc 20 2 Director Stock Plan - incorporated by reference to Exhibit 4.5 of the Registration statement on Form 8.8 of the Registration (File No. 333, 4839.) Filed on May 3., 20. 2.
0 7*	Kronna Worldwide, Inc. 20. 2 Director Stock Plan incorporated by reference to Exhibit 4.4 of the Registration statement on Form 5 8 of the Registration 533 3425) Filed on May 3, 20. 2
0.8*	CompX International Inc. 20. 2 Director Stock Plan incorporated by reference to Exhibit 4.4 of the Registration statement on Form S 8 of the Registrant (File No. 333, 47539) Filed on May 3., 20. 2.
₫ 9 =	NL Industries, Inc. 20-2 Director Stock Plan - incorporated by reference to Exhibit 4.4 of the Registrant's stalement on Form S 8 (File No. 00-00640) Filed on May 3-, 20-2
0 0	First Amended and Restated Agreement Regarding Shared Insurance among CompX International Inc., Contran Composition, Keystone Communication Inc., inc., Kronos Worldwide, Inc., NL Industries, Inc. and Valhi, Inc. dated October. 5, 20.5 incorposited by reference to Exhibit. 0.24 to the Annual Report on Form. 0 K of Kronos Worldwide, Inc. (File No. 00. 3.763) for the year ended December 3., 20.3
0	Formation Agreement of The Amalgamated Sugar Company LLC dated January 3, 997 (to be effective December 3, 996) bataveen Soake River Sugar Company and The Amalgamated Sugar Company incorporated by reference to Exhibit 6 9 to Valhi, Inc & Amala Report on Form 0 K (File No 3467) for the year ended December 3, 996
0 2	Mester Agreement Regarding Amendments to The Amalgamated Sugar Company Documents dated October 9, 2000 incorporated by reference to Exhibit 0 to Valid, Inc 's Quarterly Report on Form 0 Q (File No - 5467) for the quarter coded September 30, 2000.
0 3 .	Prepayment and Termination Agreement dated October 4, 2005 among Vallai, inc., Stake River Sugar Company and Wells Fargo Bauk. Northwest, N.A. incorporated by reference to Exhibit No. D. to Vallai, Inc. & Amendment No. to its Current Report on Form & K (File No. 5467) dated October 8, 2005
0 4	Company Agreement of The Amalgameted Sugar Company LLC dated Immuny 3, 997 (to be effective December 3, 996) incorporated by reference to Euclibit 0 20 to Valln, Inc 's Armual Report on Form 0 K (File No 5467) for the year ended December 3, 996
0 S	First Amendment to the Company Agreement of The Amalgamated Sugar Company LLC dated May 4, 997 incorporated by inference to Exhibit 0 to Valhi, he is Quarterly Report on Porm 0 Q (File No 5467) for the quarter ended June 30, 997
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I eur No	Ekb b Index
9 6	Second Amendment to the Company Agreement of The Amalgamated Sugar Company LLC dated November 30, 998 incorporated by reference to Exhibit 0.24 to Valhi, Inc 's Annual Report on Form 0.6 (File Not 5467) for the year ended December 3, 998
0 7	Third Amendment to the Company Agreement of The Amalgamated Sugar Company LUC dated October 9, 2000 iscompared by reference to Exhibit 0.2 to Vallai, Inc.'s Quarterly Report on Form 0.Q (File No. 5467) for the quarter ended September 30, 2000
0 8	Amended and Restated Company Agreement of The Amalgamated Sugar Company LLC dated October 4, 2005 among The Amalgamated Sugar Company LLC. Snake River Sugar Company and The Amalgamated Collateral Trust incorporated by reference to Exhibit No 0.7 to Valhi, Inc 's Amendment No to its Current Report on Form 3 K, (File No 5467) dated October 8, 2005
0 9	Subordinated Promissory Note in the principal amount of \$37.5 million between Valki, Inc. and Snake River Sugar Company, and the related Pledge Agreement, both dated January 3, 997 incorporated by reference to Exhibit 02 to Valki, Inc. a Annual Report on From 0 K. (Pile No. 5467) for the year ended December 3, 996
0.20	Limited Recourse Promissory Note in the principal amount of \$2.25 million between Valhi, line and Snake River Sugar Company, and the rotated Limited Recourse Pledge Agreement, both dated January 3, 997 incorporated by reference to Exhibit 0.22 to Valhi, Inc.'s Annual Report on Form 0 K (File No. 5467) for the year caded December 3, 996
02	Subordinated Loan Agreement between Stake River Sugar Company and Vallit, Inc., as amended and restated effective May 4, 997 incorporated by reference to Exhibit 0.9 to Vallit, Inc.'s Quarterly Report on Form 0 Q (File No 5467) for the quarter coded June 30, 997
0 22	Second Amendment to the Subordinated Loan Agreement between Snake River Sugar Company and Vafil, the dated November 30, 998 incorporated by reference to Exhibit 0.28 to Valbi, Inc 's Annual Report on Form 0 K (File No 5467) for the year ended December 3, 998
0 23	Third Amendment to the Subordinated Losn Agreement between Snake River Sugar Company and Valhi, Inc. dated October 9, 2000 incorporated by reference to Exhibit 0.3 to Valhi, Inc.'s Quantarly Report on Form 0 Q (File No 5487) for the quarter ended September 30, 2000
0.24	Fourth Amendment to the Subordinated Loan Agreement between Snake River Sugar Company and Valhi, Inc. dated March 3, 2003 incomparated by reference to Exhibit No. 0 to Valhi, Inc.'s Quarterly Report on Form: 0 Q (file No. 5467) for the quarter ended March 3, 2003
0 25	Contingent Subardinate Pladge Agreement between Snake River Sugar Company and Valhi, Inc., as acknowledged by First Security Bank National Association as Collateral Agent, dated October 9, 2000 incorporated by reference to Exhibit 0.4 to Valhi, Inc 's Quanterly Report on Form 0.Q (File No. 5457) for the quarter ended September 30, 2000
0 26	Contingent Subordinate Sectifity Agreement between Snake River Sugar Confipulty and Vallet, Inc., as acknowledged by First Security Bank National Association as Collateral Agent, dated October 9, 2000 Incorporated by reference to Exhibit 6.5 to Vallet, Inc.'s Quarterly Report on Ports 0 Q (File No. 5467) for the quarter ended September 30, 2000
027	Contingent Subordinate Collected Agency and Paying Agency Agreement among Valbi, Inc., Snake River Sugar Company and First Security Bank National Association dated October 9, 2000 incomposited by reference to Exhibit 10 6 to Valhi, Inc.'s Quarterly Report on Form 10 Q (File Ms 5, 5467) for the quarter ended September 30, 2000
028	Deposit Trust Agreement related to the Amalgamated Collateral Trust strong ASC Holdings, Inc. and Wilmington Trust Computer dated \$439-4, 997 lacorporated by reference to Exhibit 0.2 to Vallit; Inc.'s Quarterly Report on Form 0.Q (File No. 5467) for the quarter ended June 30, 997
0 29	First Amendment to Deposit Trust Agreement dated October 4, 2005 among ASC Holdings, Inc. and Wilmington Trust Company incorporated by inference to Exhibit No 0.2 to Valhi, Inc.'s Amendment No to its Current Report on Form & K (File No 5467) dated October 8, 2005
0.30	Pledge Agreement between The Amalgamated Collateral Trust and Souke River Sugar Company dated May 4, 997 incorporated by reference to Exhibit 0 3 to Valhi, Inc 's Quarterly Report on Form 0 Q (File No 5467) for the quarter ended June 30, 997

Lenn No	Exh b (ndes
03	Second Fledge Amendment (SPT) dated October 4, 2005 among The Amalganisted Collateral Trust and Snake River Sugar Company incorporated by reference to Exhibit No = 0.4 to Valhi, big 's Amendment No = to its Current Report on Forth 8 K (File No = 5467) dated October = 8, 2005
0 32	Guarantee by The Amalgamated Collateral Trust in favor of Snake River Sugar Company dated May 4, 997 incorporated by reference to Exhibit 0.4 to Valhi, Inc 's Quaderly Report on Form 0.0 (File No 5467) for the quarter ended June 30, 997
0.33	Second SPT Quaranty Amendment dated October 4, 2005 among The Amalgamated Collisters! Trust and Snake River Sugar Company incorporated by reference to Exhibit No 0.5 to Valhi, the 's Amendment No to its Cament Report on Form 8 K (File No 5467) dated October 8, 2005
034 -	Voting Rights and Collegeal Deposit Agreement among Spake River Sugar Company, Valhi, Inc., and First Security Bank, National Association dated May 4, 997 incorporated by reference to Exhibit 0.8 to Valhi, Inc. & Quarterly Report on Form 0.Q (File No 5467) for the quarter ended June 30, 997
Q 35	Subordination Agreement between Valli, Inc. and Snake River Sugar Company dated May. A, 997 incorporated by reference to Exhibit. O 0 to Valli, Inc. a Quarterly Report on Form. 0 Q (File No. 5467) for the quarter ended June 30, 997
0.36	First Amendment to the Subordination Agreement between Vallif, Inc. and Snake River Sugar Company dated October 9, 2000 incorporated by reference to Exhibit 10.7 to Valhi, Inc.'s Quarterly Report on Form 10.0 (File No. 15467) for the quarter ended September 30, 2000
0.37	Form of Option Agreement among Smake River Sugar Company, Valhi, Inc. and the holders of Snake River Sugar Company's 0.9% Senior Notes Due 2009 dated May 4, 997 incorporated by reference to Exhibit 6 to the Valhi, Inc. a Quarterly Report on Form 0.Q (File No 5467) for the quarter ended June 30, 997
0 38	Option Agreement dated October 4, 2005 siming Valid, Inc., Sinke River Sagar Company, Northwest Farm Credit Services, FLCA and U.S. Bank National Association—incorporated by reference to Exhibit No. 0.6 to Valhi, Inc.'s Amendment No. to its Current Report on Form 8 K (File No. 5467) dated October 3, 2005
0 39	First Amendment to Option Agreements among Snake River Sugar Company, Vallating, and the holders of Snake River's 0.9% Senior Notes Due 2009 dated October 9, 2000 decorporated by reference to Exhibit 6.8 to the Vallat, Inc.'s Quarterly Report on Form 6.Q. (File No — 5467) for the quarter ended September 30, 2000
0.40	Formation, Agreement dated as of October 8, 993 among Tioxide Americas Inc., Kronos Louisians, Inc. and Louisians Figurent Company, LP Incorporated by reference to Exhibit 0.2 of NL's Quarterly Report on Ports D Q (File No 640) for the quarter ended September 30, 993
0,4	Joint Venture Agreement dated as of October 8, 993 between Tjorddo Americas Inc. and Kronos Louisiana, Ito idesmorated by reference to Exhibit 6.3 of NL's Quarterly Report on Form 0 Q (File No 640) for the quarter ended September 30, 993
0/42	Kronos Offiske Agreement dated as of October 8, 993 by and between Kronos Louisiana, Inc. and Louisiana Pigmont Company, LP incorporated by reference to Exhibit 0.4 of NL's Quartedy Report on Form 0.Q (File No 646) for the quarter ended September 30, 993
0 43	Amendment No to Krimos Offiske Agreement dated as of December 20. 995 between Krimos Louisiana, inc. and Louisiana Pigitient Company, I.P. incorporated by reference in Exhibit 0.22 of NL's Amiual Report on Form 0 K (File No 640) for the year moded December 3 995
0 44	Allocation Agreement deled so of October B. 993 between Tioxide Americas Inc., ICI American Holdings, Inc., Kronos Worldwide, Inc. (1/k/a Kronos, Inc.) and Kronos Louisiana, Inc. incorporated by solarence to Exhibit. 0. 0 to NL/s Quanterly Report on Form 10 Q (File No. 640) for the quarter ended September 30. 993
0 45	Lease Contract dated June 2., 952, between Farbenfabrieken. Bayer Aktiongesellschaft und Titangesellschaft mit beschreikter Haftung (German language version and English translation thereof). Focumentated by reference to Exhibit 0. 4 of NEs Asqual Report on Form 0 K (File No. 640) for the year ended December 3., 985
0 46	Administrative Settlement for Interim Remedial Measures, Site Investigation and Feasibility Study dated July 7, 2000 between the Arkansas Department of Environmental Quality, Halliburion Energy Services, Inc., M I, LLC and TRE Management Company incorporated by reference to Exhibit 0 to Trement Corporation's Quantry Report on Form 0 Q (File No 0 26) for the quarter ended Juns 30, 2002

1 cm No	Exh b (index
6 47	Restated and Amended Agreement by and between Richards Bay Titanium (Proprietary) Limited (acting through its sales agent Rio Tinto from & Titarium Limited) and Kronos (US), inc effective January , 20 6 incorporated by reference to Exhibit 0.26 to the Annual Report on Form 0 Kof Kronos Worldwide, Inc (File No. 00 3.763) for the year ended December 3 , 20 5
0 42	Credit Agreement, dated February 2, 20 4, by and among Krones Worldwide, Inc. and Deutsche Bank AG New York Branch incorporated by reference to Exhibit 0 of the Current Report on Form 8 K and filed by Krones Worldwide, Inc. (File No. 00 3. 763) dated February 8, 20, 4 and filed by the registrant on February 8, 20, 4
0 49	First Amendment to Cookit Agreement dated May 2, 20, 5 among Kramos Worldwide, Inc., Deutsche Bank AG New York Branch, as Administrative Agent, and the lenders a pany thereto, incorporated by reference to Exhibit 0, to the cummit report on Form 8 K and filed by Krones Worldwide, Inc. (File No. 00, 3, 763) dated May 2, 20, 5 and filed by the registrant on May 2, 20, 5
0 50	Cuaranty and Security Agreement, dated February 8, 20 4, among Krones Worldwide, Inc., Krones Louisiana, Inc., Krones (US), Inc., Krones International, Inc. and Deutsche Bank AG New York Branch incorporated by reference to Exhibit 0.2 to the Current Report on Form S K (File No. 00 3: 763) dated February 8, 20 4 and filed by and filed by Krones Worldwide, Inc. on February 8, 20 4
O S	Intercreditor Agreement dated as of Pebruary. 8, 20-4, by and between Wells Fargo Capital Finance and Destache Bank AG New York Branch, and acknowledged by Kronos Worldwide, Inc., Keenos Louisiana, Inc. and Kronos (US), Inc. incorporated by reference to Exhibit 0.3 to the Current Report on Form 8 K (Pile No. 00-3-763) dated February 8, 20-4 and filed by and filed by Kronos Worldwide, Inc. on February 8, 20-4.
0 52	Purchase Agreement by and between Ruckwell Holden, Inc. and Andrews County Holding, Inc. incorporated by reference to Exhibit No. 2 to Valhi, Inc. 2 Current Report on Form 8 K (File No. 333-4639.) dated November 9, 20.5
2 **	Subsidiaries of Vsibi, inc
23 **	Consent of Pricewaysmonse Coopers LLP with respect to Valhi's Consolidated Financial Statements
3 **	Certification
3 2.**	Certification
32 **	Contification
0 INS **	XBRL Instance Documéau
0 SCH **	XBRL Taxonomy Excession Scheme
0 CAL **	XBRL Taxonomy Extension Calculation Linkbase
D DEF**	XEEL Texture Briensien Definition Linkbase
0 LAB **	XHRL Taxonomy Extension Label Linkbase
0 PRE	XBRL Taxonomy Extension Presentation Linkbase
* Mandan	mand and the art of the control of the art o

Management continue, compensatory plan or agreement

Exhibit 3 is restated for the purposes of the disclosure requirements of item 60 of Regulation S K promulgated by the U.S. Securities and Exchange Commission and does not represent a restated certificate of incorporation that has been filed with the Delaware Secretary of State

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

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inancial Statementa	
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Consolidated Balance Shoets December 3 , 20 4 and 20 5	F3
Consolidated Statements of Operations Years ended December 3 , 20 3, 20 4 and 20 5	FS
Consolidated Statements of Comprehensive Income (Logs) Years ended December 3 , 20 3, 20 4 and 20 5	F 6
Consolidated Statements of Stockholders' Engity Years ended December 3 , 20 3, 20 4 and 20 5	F. 7
Consolidated Statements of Cash Flows Years ended Docomber 3 , 20 3, 20 4 and 20 5	F 8
Notes to Consolidated Pinancial Statements	P

We have omitted all financial statement schedules because they are not applicable or the required amounts are either not material or are presented in the Notes to the Coopolidated Pinancial Statements

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Stockholders and Board of Directors of Valhi, 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 Valhi, Inc. and its subsidiaries at December 3. 20 4 and 20 5 and the results of their operations and their cash flows for each of the three years in the period ended December 3, 20, 5 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 3, 20, 5, based on criteria established in Internal Control. Integrated Framework (20, 3) 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 integrated audits. We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the figureial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our andits of the financial statements included examining, on a test basis, evidence importing 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. Cur 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 sudits 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

As discussed in Note 20 to the consolidated financial statements, the Company changed the classification and presentation of debt issuance costs and deferred income taxes in 20-5

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 detectionate

March , 20 6
/s/ PricewaterhouseCoopers LLP
Dalles, Texas

VALHI, INC. AND SUBSIDIARIES CONSOLIDATED BALANCE SPEETS

(In millions)

			Decemb	er 31 _v			
		2014					
ASSETS					٠		
ument seacis:							
Cash and cash requivalents		3.	255 B	2	202.		
Restricted cash equivalents			0.6		7,		
Marketable securities		:	27		· ` 2		
Accounts and other receivebles, net			27 3		270		
Refundable income texes			19,7.		7		
Receivable from affiliates			23 9		19		
Land hold for development		:	5.0		. 5		
inventories, not			443 0		405		
Other coursed assets			7.6	<u> </u>	23		
Total current assets			,04B 6	<u>.</u>	896		
her assets:		1.00		1 11 11			
Marketable securities			255 6		254		
Investment in TiO2 manufacturing joint venture	٠.		B90.	• • •	82		
Goodwill			3797		379		
Desarred income taxes		7.	609	· .	i		
Production anset					1		
Other sasets		<u> </u>	2778	<u>. i + + </u>	259		
Total other assets			, 63 0		978		
openy and equipment:		:		*: **			
Land			49		4 5		
Beildings			263		235		
Equipment			399		1,061		
Treatment, storage and disposal facilities			599		155		
Mixing properties			52 Q	•	35		
Construction in progress	٠.	21 .	26.2	:	33		
			,690 2		1,574		
Less accumulated depreciation			9566		909		
Net properly and equipment	•		733 6		665		
Total assets		* ***	2,9452	\$	2,537		
TULAL RESCREE		-	4070 B	Žiro.	. د در د		

VALHI, INC. AND SUBSTULARIES CONSOLIDATED BALANCE SHEETS (CONTINUED)

(In millions, except share data)

		December 31.					
	7	10[4	. 20	ĽS			
LIABILITIES AND STOCKBIOLDERS' EQUITY			٠.				
Current liabilities:			·A =				
Current wintuities of long team debit	.\$	9.3	4 .	9.5			
Accounts psyable		362		104.1			
Accrued liabilities		280		121.1			
Payable to affiliates	:	. 450		45.5			
Income (axes	· · ·	7.8		5.7			
Total current tiabilities		3273		286,6			
Monotonent (1926) (Itales:		7. the 1. ch		Y. 33.			
Long term debt		9,97		951.0			
Deferred income taxes				371.D			
Accined pension costs		2494		216.8			
Accrated environmental remediation and related costs		08.3		108.7			
Accused postret fremout bedefits costs		. 4		11.8			
Other liabilities	· <u>· · · · · · · · · · · · · · · · · · </u>	. 27		. 11 <u>4.6</u>			
Total populatent lightilities		804 đ		1,723.9			
Equity:		· · ·					
Valhi stockholders' equity:	•						
Professed stork, \$ 0 per value; 5,000 shares authorized; 5,000 shares lasted	* * * * * * * * * * * * * * * * * * *	66.7.3	1.1	467.3			
Gommon stock, \$ 0 par value; 500 0 million shares authorized; 3.53 2 million share	isp.						
jasted and obletending		. 36		3,6			
Additional paid in capital				. : '			
Retained earnings (deficit)		49		(155.6			
Accumulated other comprehensive loss		(486)		(197.0			
Treasury stock, at cost: 3.2 million shares		<u>(4</u> 9 <u>6</u>)	·	(49.6			
Total Valla stockholders' equity		477.6	· .	768.7			
Noncontrolling interest in subsidiaries		3363		258,2			
Total equity	11 T	8 3.9	•	526,9			
Total liabilities and equity	*	2,9452	2	2,537.4			
Total translation and organiz		-,: -,-	<u></u>				

Commitments and confingentials (Notes 9, 2, 6 and 7)

See accompanying Notes to Consolidated Pinancial Statements

VALEE, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF OPERATIONS

(în millions, except per share data)

					er 31,	
				2013	1014	2015
Revenues and other income:				· ·	7	
Net sales				.\$ 69€ \$	\$,863	(6 \$ 1,532,9
Other income, net				880	42	1 Q 32.0
Total revenues and other income				,95 6	,904	1,564.9
Costs and expenses:		٠.				
Cost of sales				.729 4	,459	
Selling, general and administrative	1			375	276	769,7
Loss on prepayment of debt, net				89		
Interest.				56	5€	
Total costs and expenses				-2, 69 5	,792	1,638.7
Income (loss) before legouse taxes			٠.	(2 79)	20 (73.8)
liscome (as expense (benefit)				(9-0)32	5 97.3
Net income (loss)				(,26.9) 75	(171.1)
Noncontrolling interest in net income (loss) of subsidianes				(28 9	25	57 (37.5)
Net income (foss) attributeble to Valla stockholders		•	٠,	S (98 0) § 5.	<u>(133.6)</u>
Basic and diluted not income (luss) per share				\$ (29	ý š	6 \$ (39)
Cash dividends per share				s 20	<u> </u>	\$ 109
- · · · · · · · · · · · · · · · · · · ·				342 0		
Bosic and diluted weighted average shares ouistanding				342 0	342	:0 342.0

See accompanying Notes to Consolidated Fluencial Statements

CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS) (In millions)

				. Ye	itrs engled De	cember 31,		
			20	13	2014	·	20	15 .
Net income (loss)			5	(269)	\$	79.5	š .	(1713)
Other comprehensive income (loss), net of tax:					· · ·			
Currency manufaction				. 75		(08.8)		(77.8)
Interest rate swap								(1.8)
Markatable securities				03		(22.)		(7.5)
Defined benefit pension plans		 		32		(7 - 6)		12.6
Other postreticement benefit plans				· 32	·	(2.5)		<u>(7)</u>
Total other comprehensive income (loss), net				53		(202.0)		(74·A)
Comprehensive loss				(73 8)		(22.5)	٠.	(245,5)
Comprehensive loss attributable to noncontrolling interest	l		•	(9.8)		(35.7)		(63.5)
Comprehensive loss armbutable to Valla stockholde	ars .		3	(64 b)	5	(86 €)	\$	(182.9)

See accompanying Notes to Consolidated Financial Statements

VALHI, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY

Years ended December 31, 2013, 2414 and 2015

(La millions)

					Vμ	h Sigekîri	lder	r Rya re								
	ŗ	referred dock		imos	. Р	é cómal i 15- x ip ési	₽ ≜	rn hed rn bgs efet)	al carapr	nilfated Mer where we to (fow)		Balwy Lock	cor	Non- itroli og rferest	_	fotal gu ty
Balance at December 3 , 20 2 Net loss	.8	6673	S .	. 36	\$	48.9	8	75 4 · (98 0)	5.	(42 0)	5	(49.6)	8	358 (28.9)	\$,09° 7 (* 26 9)
Cash dividends					٠.	(50.9)	.:	(70)						(B 2)		(86)
Other comprehensive income, net		•		•				, , ,		34 O				Ì 9 É		5,3
Noncontrolling interest of businesses acquired	:		. • •											6.5		6 5
Equity transactions with noncontrolling interest, net						(4)								_(_)		<u>('5</u>)
Balmice at December 3, 20, 3		6673		36	_	· 27 6 ·		(39.6)		(8)0)		-(49.6)	. ···.	39 5	a	9928
Net income								53 B						25 7		79 \$
Cash divideods						(380).		(9.3)	٠.				•	~(93)		(56 6)
Other comprehensive loss, net										(40,6)	·			(6 4)		(292.0)
Equity transactions with noncontrolling interest, not						4		`	· · · · · · · · · · · · · · · · · · ·	<u> </u>			·	(2)	ċ	· · <u>2</u>
Balance at December 3 20 4		6673		36			_	4.9		(486)		(49.6)		3363		B 34
Net toss	٠.					: -	:	(133.6)					٠.	(37.5)		(t71.1)
Cash dividends						(.2)		(26.9)					:	(1.4.6)		(41.7)
Other comprehensive loss, net						2				(4B;4)				(26.0)		(74A)
Equity transactions with nuncontrolling interest, net						.1					:					2
Balance at Decamber 31, 2015	8	6673	5	3,6	5		5	(155.6)	3	(197.0):	S	(49.6)	5	258.2	3	51 6.0

See accompanying Notes to Consolidated Financial Statements

VALSI, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF CASH FLOWS (In millions)

	21	113.	281	4	2015
Cash flows from operating activities:	;-	:	- ::		
Met income (loss)	\$	(26 9)	\$	79 5 \$	(171.1)
Depreciation and amortization		74.5		784	69.9
Net (gain) loss from:					
Hangain purchase and re measurement of our existing investment in sequires		(54.6)			
Securities hancactions, net		(2)		(3)	
Dispussi of property and equipment, net		5		9.	
Loss on prepayment of debt, net		₽,9			
Noncash interest expense		5		. 23	1.5
Benefit plan expense greater (lass) than cash funding		70		(3)	1.9
Deferred income raxes		(4/8)	· .	0.0	. 65 7
Distributions from TiOn manufacturing joint ventum, net		69		0.66 ∴	6.5
Other, net	:	60	4.7	8.0	7.5
Change in assets and liabilities:					
Accounts and otherreceivables, not		22 9		(27 2).	22.2
Lend held for development, not				(6 B)	7.1
Iniventatics, net		2 20 0		(55)	(8.4)
Accounts payable and accound liabilities		73 4		(26.4)	(13:9)
Income faxes		(96)		.54	(3)
Accounts with affiliates		(87)		(3,2)	171
Other, noncurrent assets		(2)	٠	28	(2.5)
Other noncurrent liabilities		. 2		4.8	2.7
Other, net		\$ 7	<u> </u>	<u>(33)</u>	(5.9)
Net cash provided by operating activities		7		673	22.5

VALHI, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF CASH FLOWS (CONTINUED) (In millions)

	Years naded December 31.					
	2013	201*	2015			
Cash flows from investing activities: Capital expenditures Capitalized permit costs Acquisition of a businesses	(74.6) \$.(_3) .(_3)	(72.7) S	(54.6) (1.3)			
Cash of businesses sequired. Furthases of marketable securities Proceeds from:	27 4 (7 9)	(63)	(13.6)			
Disposal of marketable accurities Collection of real estate related note receivable Disposal of assets held increate	3.0	. .	15.0			
Change in restricted cash equivalents, ner Other, net Net cash used in investing activities	(9 9) () (58 2)	\$ 6 5 (55)	(2.9) 			
Cast down from financing activities: Indebtedness:			. :			
Borrowings Principal payments Deferred financing costs paid.	493 8 (693 3)	5 \$ 6 (343 .) - . (6) _}	84.9 (53.4)			
Vallti cash dividends perd Distributions in noncontrolling interest in subsidiaries Putchase of Knorge common stock Other, per	(67.9) (8.2) (7)	(37 3) (8 9)	(27.1) (15.0)			
Net each provided by (used in) financing scrivities Net increase (decrease)	(286 2) (225 3)	0 2 5 22 4 5	(10.6) 5 (45.1)			

VALHI, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF CASH FLOWS (CONTINUED) (In millions)

		Years ended December 31.						
	-	20	113		014		1015 -	
Cash and cash squivalents metchange from:	-		· .				*	
Operating, investing and financing activities		i	(225.3)	. S	224	\$	(45:1)	
Effect of exchange rates on cash			2		(9.4)	_	(8.4)	
Not change for the year			(224)		3.0		(53.5)	
Balance at beginning of year	· ·		3669		42.8		255.8	
Balance al end of year	3	ř.	42.8	3	255 8	S	202,3	
Supplemental disclorures:				· .				
Cash paid 12v.								
Interest, tiet of sinounts capitalized	5		.550	2	53 9	\$	56.6	
Income taxes, net			, š å.		33 4		10.2	
Noncash investing activities:	٠.					."	· . · .	
Change in accounts for capital expenditures			46		.65		6.7	
Acquals for expiral lease additions					89,			
Noncesh financing ectivities:								
Amounts issued in connection with business combination:					Ψ.	;	. : .	
Promissory dote			9					
Defened psyment obligation			82					
Accrued construction retainings psymble converted to note payable			28					

See accompanying Notes in Consulidated Financial Statements

VALHI, INC. AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2015

Note I Summary of significant accounting policies:

Nature of our business. Valhi, Inc. (NYSE: VHI) is primarily a holding company. We operate through our wholly owned and majority owned subsidiaries, including NL Industries, Inc., Kronos Worldwide, Inc., CompX International Inc., Waste Control Specialists LLC ("WCS"), Tremont LLC, Basic Management, Inc. ("BMI") and The LandWell Company ("LendWell"). Kronos (NYSE: KRO), NL (NYSE: NL), and CompX (NYSE MKT: CIX) each file periodic reports with the Securities and Exchange Commission ("SEC").

Organization. We are majority owned by a wholly owned subsidiary of Contran Corporation ("Contran"), which owns approximately 93% of our outstanding common stock at December 3-, 20-5 All of Contran's outstanding voting stock is held by a family trust established for the benefit of Lisa K. Simmons and Serena Simmons Connelly and their children, for which Ms. Simmons and Ms. Connelly are co-trustees, or is held directly by Ms. Simmons and Ms. Connelly or entities related to them. Consequently, Ms. Simmons and Ms. Connelly may be deemed to control Contran and us.

Unless otherwise indicated, references in this report to "we," "us" or "out" refer to Valhi, Inc. and its subsidiaties, taken as a whole

Management's estimates. The preparation of our Consolidated Financial Statements in conformity with accounting principles generally accepted in the United States of America ("GAAP"), requires us to make estimates and assumptions that affect the reported amounts of our assets and liabilities and disclosures of contingent essets and liabilities at each balance sheet date and the reported amounts of our revenues and exponses 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 Valhi and our majority owned and wholly owned subsidiaries. We eliminate all material intercompany accounts and balances. Changes in ownership are accounted for as equity transactions with no gain or loss recognized on the transaction unless there is a change in control. See Note 3.

Foreign currency translation. The financial statements of our foreign subsidiaries are translated to US dollars. The functional currency of our foreign subsidiaries is generally the local currency of the 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 (loss), net of related deferred income taxes and noncontrolling interest. We recognize currency transaction gains and losses in income.

Derivatives and hedging activities. We recognize derivatives as either an asset or liability measured at fair value in accordance with Accounting Standards Codification ("ASC") Topic 8-5, Derivatives and Hedging. We recognize the effect of changes in the fair value of derivatives either in net income or other comprehensive income (loss), depending on the intended use of the derivative Sec Note. 8

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 each equivalents.

Restricted cash, cash equivalents and marketable debt securities. We classify cash, cash equivalents and marketable debt securities 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 the restricted amount as current or noncurrent according to the corresponding liability. To the extent the restricted amount does not relate to a recognized liability, we classify restricted cash as a current asset and we classify the restricted debt security as either a current or noncurrent asset depending upon the maturity date of the security

Marketable securities and securities transactions. We carry marketable debt and equity 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 statements from 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 J Prices or valuation techniques that require inputs that are both significant to the fair value measurement and unobservable

We recognize unrealized and realized gains and losses on trading securities in income. We accumulate unrealized gains and losses on available for sale accumilies as part of accumulated other comprehensive income (loss), not of related deferred income taxes and noncontrolling interest Realized gains and losses are based on specific identification of the securities sold.

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

Inventories and cost of sales. We state inventories at the lower of cost or market, net of allowance for obsolete and slow moving inventories. We generally base inventory costs for all inventory categories on average cost that approximates the first in, first out method. Inventories include the costs for raw materials, the cost to manufacture the raw materials into finished goods and overhead. Depending on the inventory's stage of completion, our manufacturing costs can include the costs of packing and finishing, utilities, maintenance, depreciation, shipping and handling, and salaries and benefits associated with our manufacturing process. We allocate fixed manufacturing overhead costs 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 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 asymptons about alternative uses, market conditions and other factors.

Land held for development. Land held for development relates to BMI and LandWell, for which we acquired a controlling interest in December 20-3, see Note 3. The primary asset of LandWell is certain real property in Henderson, Nevada some of which we are developing for residential lots in a master planned community. Land held for development was recorded at the estimated acquisition date fair value based on a value per developable acre at the time of purchases. Development costs, including infrastructure improvements, real estate taxes, capitalized interest and other costs, some of which may be allocated, are capitalized during the period incurred. We allocate costs to each parcel sold on a pro-rate basic associated with the relevant development activity. As land parcels are sold, costs of land sales, including land and development costs, are allocated based on specific identification, relative sales value, square footage or a combination of these methods. All sales and marketing activities and general overhead are charged to selling, general and administrative expense as incurred.

Investment in TiO2 manufacturing Joint venture. We account for our investment in a 50% owned manufacturing joint venture 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 by 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. We evaluate other intangible assets for impairment when events or changes in circumstances indicate the carrying value may not be recoverable. See Note 8.

Capitalized operating permits. Our Waste Management Segment capitalizes direct costs related to the acquisition or morewal of operating permits and amortizes such costs by the straight line method over the term of the applicable permit. Our not capitalized operating permit costs include (i) costs to renew certain permits for which the renewal application is pending with the applicable regulatory agency and (ii) costs to apply for certain new permits which have not yet been issued by the applicable regulatory authority. We currently expect renewal of the permits for which application is still pending will occur in the ordinary course of business, and we are amortizing costs related to such renewals from the date the prior permit expired. All operating permits are generally subject to renewal at the option of the issuing governmental agency. See Note 7.

Properly and equipment; depreciation expense. We state properly and equipment at acquisition cost, including capitalized interest on homowings during the actual construction period of major capital projects. In 20-3, 20-4 and 20-5, we capitalized 5-6 million, \$2.9 million, end \$ million, respectively, of interest costs. We compute depreciation of property and equipment for financial reporting purposes (including mining equipment), principally by the straight line method over the estimated useful fives of the assets as follows:

Asset
Hulldings and improvements
Machinery and equipment
Mine development costs
Landfil disposal costs

Useful I ver

0 to 40 years

1 to 20 years

Units of production

Units of consumption

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

We expense expenditures for maintenance, repairs and minor renewals as incurred that do not improve or extend the life of the assets, including planned major maintenance

We have a governmental concession with an unlimited term to operate our ilmentic mines in Norwey Mining properties consist of buildings and equipment used in our Norweglan ilmentic mining operations. While we own the land and ilmentic reserves associated with the mining operations, such land and reserves were acquired for nominal value and we have no material asset recognized for the land and reserves where acquired for nominal value and we have no material asset recognized for the land and reserves where all the land and reserves were acquired for nominal value and we have no material asset recognized for the land and reserves where the land and reserves were acquired for nominal value and we have no material asset recognized for the land and reserves where the land and reserves were acquired for nominal value and we have no material asset recognized for the land and reserves where the land and reserves were acquired for nominal value and we have no material asset recognized for the land and reserves where acquired for nominal value and we have no material asset recognized for the land and reserves where acquired for nominal value and we have no material asset recognized for the land and reserves where acquired for the land and reserves where acquired for nominal value and we have no material asset recognized for the land and reserves where the land are the land and reserves where the land are the land and reserves where the land and

We operate waste disposal Skilities. We capitalize preparation costs for landfill disposal cells, including costs relating to excavation and grading and the design and construction of liner and leachate collection system. We recognize aloxum and post closure costs as part of the carrying value of our disposal facilities.

We perform impairment tests when events or changes in circumstances indicate the carrying value may not be exceeded. We consider all relevant factors. We perform the impairment test by comparing the estimated fature undiscounted each flows (exclusive of interest expense) associated with the easet group to the easet's not carrying value to determine its write down to fair value is required.

Closure and post closure costs. The closure and post closure obligations related to our Waste Management Segment's waste disposal sites are covered by the scope of ASC Topic 4. 0, Asset Retirement and Environmental Obligations. We recognize the fair value of a lisbility for an asset retirement obligation in accordance with ASC Topic 4. 0 in the period in which the thability is incurred, with an offsetting increase in the carrying amount of the related long flood asset. Over time, we accrete the liability to its future value, and we depreciate the capitalized cost over the useful file of the related asset. The accretion and depreciation expenses are reported as a component of cost of sales in the accompanying statement of operations. We account for future revisions in the estimated fair value of the asset retirement obligation due to changes in the amount and/or timing of the expected future cash flows to settle the obligation, prospectively as an adjustment to the previously recognized asset tetiminent cost. Upon setflement of the liability, we will either settle the obligation for its recorded amount or incurregation of each linear Sec Note. 0

Long-term debt. We state long sum debt not of any unamortized original issue premium, discount or deferred financing costs. We classify amortization of deferred financing costs and any premium or discount associated with the issuance of indebtedness as interest expense, and compute amortization by either the interest method or the straight line method over the term of the applicable issue

Employee benefit plans, Accounting and funding policies for our retirement plans are described in Note

Income taxes. We and our qualifying subsidiaries are weathers of Contran's consolidated US federal income tax group (the "Contran Tax Group") We and certain of our qualifying subsidiaries also file consolidated income tax returns with Contran in various US state jurisdictions. As a member of the Contran Tax Group, we are jointly and severally liable for the federal income tax liability of Contran and the other companies included in the Contran Tax Group for all periods in which we are included in the Contran Tax Group Sea Note. 7 As a member of the Contran Tax Group, we are a party to a tax sharing agreement which provides that we compute our tax provision for US income taxes on a separate company basis using the taix elections made by Contran Pursuani to the tax sharing agreement, we make payments to of receive payments from Contran in amounts we would have paid to or received from the US Internal Revenue Service or the applicable state tax authority had we not been a member of the Contran Tax Group. We made not each payments for income taxes to Contran of \$6.5 million in 20 3, \$8.93 million in 20 4 and \$2.5 million in 20 5.

We recognize defenced income tax assets and liabilities for the expected future tax consequences of temporary differences between amounts recorded in our Consolidated Pinancial Statements and the tax basis of our assets and liabilities, including investments in our subsidiaries and affiliate who are not members of the Contran Tax Group and undistributed earnings of foreign subsidiaries which are not deemed to be permanently reinvested Defenced income tax assets and liabilities for each tax paying jurisdiction in which we operate are netted and presented as either a noncurrent deferred income tax asset or liability as applicable. In addition, we recognize defenced 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 recognizion of such deferred income taxes is not available to us. The earnings of our foreign subsidiaries subject to permanent reinvestment plans aggregated \$645 million at December 3, 20, 5. It is not practical for us to determine the amount of the unrecognized deferred income tax liability related to these carnings due to the complexities associated with the U.S. taxation on earnings of foreign subsidiaries repatriated to the U.S. We periodically evaluate our deferred tax assets in the various taxing jurisdictions in which we operate and adjust any related valuation allowance based on the estimate of the amount of such deferred tax assets we believe does not meet the more likely than not recognizion 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 accure 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. 2

Environmental remediation and related costs. We record liabilities related to environmental remediation and related costs 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 its present value due to the uncertainty of the timing of the ultimate payout. We recognize any recoveries of remediation costs from other parties when we deem their receipt to be probable. We expense any environmental remediation related legal costs as incurred. At December 3, 20, 4 and 20, 5, we had not recognized any material receivables for recoveries. See Note. 7

Net sales. We record sales when products are shipped and title and other risks and rewards of ownership have passed to the customer, or when we perform services. We include amounts charged to customers for shipping and handling coats in net sales. We state sales not of price, early payment and distributor discounts and volume rebates. We report taxes assessed by a governmental authority such as sales, use, value added, excise taxes and fees from the State of Toxas and Andrews County, Texas on a net basis (meaning we do not recognize these taxes in either our revenues or in our costs and expenses)

Certain retail land sales of our Real Estate Management and Development Segment are recognized under the under the percentage of completion method when we are required to complete property development and improvements after title passes to the buyer and when all of the criteria of ASC 970 605 30 are met. Under such method, revenues and profits are recognized in the same proportion of our progress towards completion of our contractual obligations, with our progress measured by costs incurred as a percentage of total costs estimated to be incurred. Such costs incurred and total estimated costs include amounts specifically identifiable with the parcels sold as well as certain development costs for the entire residential/planned community which are allocated to the parcels sold under applicable GAAP. Other rotail land sales are generally recognized by the full accutal method of accounting at closing, in which title passes to the customer and we have no remaining contractual obligations to the buyer.

Selling, general and administrative expenses; shipping and handling costs; advertising costs; research and development costs. Selling, general and administrative expenses include costs related to marketing, sales, distribution, shipping and handling, research and development, legal, environmental remediation and administrative functions such as accounting, treasury and finance, and includes costs for salaries and benefits not associated with our manufacturing process, travel and entertainment, promotional materials and professional fees. Shipping and handling costs of our Chemicals Segment were approximately \$93 million in 20-3, \$95 million in 20-4 and \$87 million in 20-5 Shipping and handling costs of our Component Products and Waste Management Segments are not material. We expense advertising and research, development and sales technical support costs as incurred Advertising costs were approximately \$2 million in 20-3 and \$1 million in each of 20-4 and 20-5. Research, development and certain sales technical support costs were approximately \$2 million in 20-3, \$9 million in 20-4 and \$6 million in 20-5.

Note 2 Business and goographic segments:

Fix ness segment			Eat 19	 itrolled at er 35, 201	
Chemicals:	•	• • •	Kagnes	1.1	80%
Component products			CompX		87%
Waste management			WCS		00%
Real extate management and development			BMI and LandWell	63%	77%

Our control of Krones includes 50% we hold directly and 30% held directly by NL We own 83% of BL. Our control of CompX is through NL We own 63% of BMI. Our control of LandWell includes the 27% we hold directly and 50% held by BMI. See Note 3

We are organized based upon our operating subsidiaries. Our operating segments are defined as companents of our contailidated operations about which separate financial information is available that is regularly eveluated by our chief operating decision maker in determining how to allocate resources and in assessing performance. Each operating segment is a sustained unit offering different products.

We have the following four consolidated reportable operating segments

- Chemicals: Our chemicals segment is operated through our majority control of Kronos Kronos is a leading global producer and marketer of value added thesium diduide pigments ("TiO2"). TiO2 is used to impant whiteness, brightness, opacity stid durability to a wide variety of products, including points, plastics, paper fibers and ceramics. Additionally, TiO2 is a critical component of everyday applications, such as contings, plustics, and paper, as well as many specialty products such as inks, foods and cosmelless. See Note 7.
- Component Products We operate in the component products industry through our majority control of CompX compX is a leading connufacturer of security products used in the recreational transponation, postal, vifice and institutional furniture, cabinetry, total surrage, beatthcare and a variety of other industries. CompX is also a leading manufacturer of stainless stock exhaust systems, gauges, throttle controls and trim tabs for the recreational matrix industry. All of CompX production facilities are in the United States.
- Waste Management WCS is our subsidiary which operates a West Texas facility for the processing, treatment, storage and disposal of a broad range of low level radioactive, bazardous, toxic and other waster WCS obtained a byproduct disposal license in 2008 and begind disposal operations at this facility in October 2009 WCS received a low level radioactive waste ("LLRW") disposal license in September 2009 The Compact LLRW disposal facility commenced operations in 20-2, and the Federal LLRW site commenced operations in 20-3. We reached an agreement for the sale of our Waste Management Segment in November 20-5, see Note 3
- Real Estate Management and Development. We operate in real estate management and development through our majority control of BMI and LandWell BMI provides utility services to certain industrial and countrified customers and owns real property in Henderson, Nevada LandWell is engaged in efforts to develop certain tand feeldings for commercial, industrial and residential purposes in Henderson, Nevada in December 20-3, we acquired a controlling intensit in each of these companies, and they are included in our results of operations and cash flows beginning on January 20-4 See Note 3.

We evaluate segment performance based on segment operating income, which we define as income before income taxes and interest expense, exclusive of certain non-necessing items (such as gains or losses on disposition of business units and other long lived assets outside the ordinary course of business and certain legal settlements) and certain general corporate income and expense items (including securities transactions gains and losses said interest and dividend income), which are not attributable to the operations of the reportable operating segments. The accounting policies of the reportable operating segments are the same as those described in Note. Segment results we report may differ from amounts separately reported by our various subsidiaries and affiliates due to prochase accounting adjustments and related amortisation or differences in how we define operating income. Intersegment sales are not material.

Interest income included in the calculation of segment operating income is not material in 20-3, 20-4 or 20-5. Capital expenditures include additions to property and equipment but exclude amounts we paid for business units equived in business combinations. Depreciation and amortization related to each reportable operating segment includes amortization of sany interingible assets attributable to the segment Amortization of defining these and any premium or discount associated with the issuance of indeptedness is included in interest expense.

Segment assets are comprised of all assets attributable to each reportable operating segment, including goodwill and other intangible assets. Our investment in the TiO2 mapulacturing joint vertice (see Note 7) is included in the Chemicals Segment's assets. Corporate assets are not attributable to any operating segment and consist principally of each and costs equivalents, restricted each equivalents and marketable securities.

	Venys ended December 31,					
		2013		2014		'ZÓIĞ
			((familiam)		-:"
Net sales:			-		_	
Chemicals	3	,732.4	5	,65 9	S	1,348.8
Component products		92.0		03.9		109.0
Waste management		39.2		66.5 40.3		45.0 30.1
Real estate management and development	· <u>-</u>	27.2	_			
Total net sales	<u> </u>	,863 <u>6</u>	.5	,8626	5	1,532.9
Com of sales:						
Chemicals	S .	.622 6	5	,304 6	S	1,1582
Component products		64.5		7 6		73.6
Wasie monagement		. 423		497		50.3
Real estate management and development	_	·.		33 9		254
Total cost of sales	<u>\$</u>	,729 4	2.	. \$59 8 .	<u>s</u>	1,310.0
Gross margin:		·		1		25.
Chemicale	8	ប៉ូទ្ធ មិ	\$	347.3	\$	1903
Component products		. 27.5		32 3		33.4
Waste management		(3, 1)		6.8		(3 <i>5</i>)
Real estate management and development	·			<u> 64</u>	<u> </u>	4.7
Total gross margin	<u>\$</u>	34.2	\$	402.8	\$	222.9
Operating income (loss):	_	 -	. —	 .		
Chemicals	Š	(25 4)	. \$.	568	\$	7.1
Companient products		93		36		14.0
Waste management		(22.6)		. (2.2)		(26.5)
Real catate management and development	·			20		
Total operating income (loss)		(387)		70.2		(원회)
Equity in earnings of investee		. 5				
General corporate flems:						
Secondries carnings		266		269		26.5
Insurance race yerres		. 94		0,4		3.7
Gain on bargain purchase and remeasurement of our					, ,	
existing investment in acquires		54.6				
Gетьегаї, ежрепаса, пост		(05 3)		(38.8)		(39.6)
Loss on prepayment of debt, set		(8.9)	٠.			
Interest expense	_	(56_)		(56 7)		(59.0)
income (loss) before income taxes	3	(2.7.9)	\$	2.0	<u>\$ · </u>	(73.8)

		Years ended December 31.					
			.2013		2614		2015
Depreciation and amortization:				, ji	and Home)		•
Chemicals		. 5	52.8	2	5. 9	8	44.3
		. 4	33	20	3.5	4	3.3
Component products			. 84		203		19.3
Waste management			. 04				
Real estate management and development		- -	· · ·		27		2.5
Total		3	74 5	3	784	<u>*</u>	69.9
Capital expenditures:							
Chemicals		\$	67 6	\$	6.3	8	47.5
Component products			3.5	* :	28		42
Waste municement			35	-	4.5		1.7
Real estate unoagement and development				٠	4.0		.2
Corporate					٠.		
Total		\$	74.6	· 3	72.7	. S .	54.6
				be	cember 31,		
			7013		2014		2013
				_ 0	n on Hersey		
Total assets:						•	•
Operating segments:							
Chemicals		· 5	.975 B	3	2,00 2	\$.	1,617.6
Component products			B 0 6		83		88.7
Waste management		٠.	270		257.7		231.9
Real estate management and	•	•			·		
development			283 6		248		232.9
Corporate and climinations		٠.	37 6		357		346.3
Total		2	2.95 7	35	2,945.2	:5	2,537:4
		Ě				_	,,

Geographic information. We attribute not sales to the place of manufacture (point of origin) and the location of the customer (point of destination), we attribute property and equipment to their physical location At December 3, 20, 5 the not assets of our non-US subsidience included in consolidated not assets approximated \$422 million (in 20, 4 the total was \$703 million)

Years anded Dependent 31,	
2 013 - 2016 - 20	115
. ((in to it out)	
Net sales point of origin:	· :.
United States S 96 5 5 993 7 \$. 841 19
Germany 9 3 2 844	6900
Canada 246 5 232 3	216.9
Belgium 254 6 249 3	198.8
Norway 26 3 256 8	183.5
Eliminations (776) (733 6)	(598,2)
Tola? \$863 6 \$.862 6 \$	1,532.9
Net sales point ⊕ destination:	
North America \$ 690.5 \$ 753.2 \$	604.0
Page 905 6 883 6	700.9
Asia and other 268 225 8	228.0
Total. 5 ,863 6 5 ,862 6 5	1,532.8

				Desp	nation 31,		
		201.	3.		2614	· ·	2015
				(14	va ji desj		
Nei property and aquipment:							
United States	•	3	232 B	S	234 4	S	227.1
Germany			2929		259 5		229.9
Canada			67		63.4		5 5 00
Notway			00.9		885		71.9
Belgium			02.7		908		81.3
Total	and the second of the	 2	796 4	Š	733 6	*	665.7
				-			

Note 3 Business combinations, dispositions and related transactions:

. Kranus Warldwide, Inc.

Frior to 20.3, Kronos' board of directors authorized the repurchase of up to 2.0 million shares of its common stack in open market transactions, including block purchases, or in privately negotiated transactions at unspecified prices and over an unspecified period of time. Kronos may repurchase its common stock from time to time as market conditions, permit. The stock repurchase program does not include specific price targets or timetables and may be suspended at any time. Depending on market conditions, Kronos may terminate the program prior to its completion. Kronos would use each on kind to acquire the shares. Repurchased shares will be added to Kronos' treasury and suspecified. During 20.3 Kronos repurchased approximately 42,000 shares for an aggregate of \$.7 million in each under its repurchase program. The 20.3 prochases are the only purchases Kronos has made to date under the plan and at December 3., 20.5 approximately. 95 million shares are available for repurchase.

CompX International Inc.

Prior to 20.3, CompX's board of directors authorized various repurchases of its Class A common stock in open market transactions, including block purchases, or in privately negociated transactions at unspecified priors and over an unspecified period of time. CompX may repurchase its common stock from time to time as market conditions permit. The stock repurchase program does not include specific priors targets of timetables and may be suspended at any time Depending on market conditions. CompX may terminate the program prior to its completion. CompX would generally use cash on hand to negute the shares. Repurchased shares will be added to CompX's transmy and transcelled. CompX did not make any repurchases under the plan during 20.3, 20.4 or 20.5, and at December 3., 20.5 approximately 678,000 shares was available for purchase under these authorizations.

Busic Idunagement, Inc. and The LandWell Company

Prior to December 20-3, we owned a 32% interest in BMI, which among other things provides utility services to an industrial park located in Henderson, Nevada, and is responsible for the delivery of water to the city of Henderson, Nevada and various office users incoming a water distribution system owned by BMI. We also had a 2% interest in LandWell, which is actively engaged in offices to develop certain real estate in Henderson, Nevada BMI twoss an additional 50% interest in LandWell. We accounted for our 32% interest in BMI and 2% interest in LandWell by the equity included of seconding Second 7. Three other entities award the minimizing ownership interest in BMI (a 32% interest, a 3 % interest and a 5% interest) and LandWell (a 2 % interest, a 5% interest and a 2% interest). Provisions in the governing documents of BMI and LandWell give BMI and LandWell and their owners a right of first refusal upon any proposed transfer of an ownership interest in BMI and LandWell.

Prior to November 20 0, the 3 % awnership interest in BMI and the 5% ownership interest in LandWell indicated above were held by Tranox Incorporated, which among other things conducted operations at the Headerson industrial compilex. Tranox filed for binkruptcy protection in January 2009. As part of Tranox's plan of transparitation, in November 20 0 such BMI and LandWell interests were transpared to the Nevada Baviromusatal Response Trust ("NERT"), with the consent of BMI and LandWell and its owners (including us), and the parties agreed to negotiate to establish the prior at which such BMI and LandWell interests would be transpared to BMI and LandWell or their ewards. Such negotiations continued until February 20 2, when the parties reached agreement as to the basic monetary terms of such transfer Further negotiations over all of the terms and conditions of a definitive agreement continued until December 20 3, when the parties reached agreement as to all terms and conditions, including the fact that we would sequire the BMI and LandWell interests formerly owned by Tranox, with the consent of BMI and LandWell and their other owners (who elected not to exercise their right of first relogal rights).

As a result, in December 20-3 we completed the acquisition of the 3-% ownership interest in BM(and the -5% ownership interest in Land Wellheld by NERT We completed this acquisition because it allowed us to obtain control of BMI and LandWell (with the consent of BMI and LandWell and their other owners), which increased our direct ownership interest of BMI to 63% and our direct ownership interest of LandWell to 27%, which also resulted in our control of 77% of LandWell (given BMPs 50% ownership interest in LandWell, our controlling ownership interest of BMI and our 27% direct ownership interest of LandWell). The order owners did not exercise their first refusal or participation rights and accordingly did not participate in the acquisition of the additional BMI and LandWell interests. As part of this transaction with NERT, we also acquired one parcel of real property located in Henderson, and acquired an option to purchase four additional parcels of real property located in Henderson, without the payment of additional consideration to NERT These five additional parcels, which NERT had also acquired as part of Tromox's plan of reorganization, are not part of the land commonity being developed by LandWell but are located in or are adjacent to the industrial park. The aggregate fair value of the total consideration we gave for the acquisition of BMI and LandWell interest, the parcel of real property acquired and the option to acquire the four other parcels was \$32.6 million consisting of \$5.3 million in cash, a \$ 9 million promissory note secured by the real property acquired, and a \$ million deferred payment obligation (which was discounted to present value of \$6.2 million, as discussed below). The acquisition of the BMI and LandWell interests, the parcel of real property and the option for the four additional parcels was accounted for as a business combination under GAAP. The application of the purchase method of accounting for business combinations required us to use significant estimates and assumptions in the determination of the estimated fair value of assets acquired and liabilities assumed; it also required us to re measure our existing ownership interest in BMI and LandWell to their estimated fair value. Our estimates of the fair values of assets acquired and liabilities assumed were based upon assumptions we believed were reasonable, and where appropriate, included assistance from independent third party valuation firms

The \$ 9 million promissory note bears interest at 3% per annum, with interest payable annually and all principal due in December 2023. The promissory note is collateralized by the BMI and LandWell interests acquired as well as the real property acquired from NERT as part of the transaction. The note may be prepaid at any time, without penalty. We must make mandatory propayments on the note in specified amounts whenever we receive distributions from BMI or LandWell, or in the event we self any of the real property acquired. The acquisition date estimated fair value of this promissory note was equal to its \$ 9 million face amount. We made \$ 7 million and \$ 3 million in principal prepayments during 20. 4 and 20. 5, respectively, under the terms of the note.

The \$\text{ million}\$ defened payment obligation bears interest at 3% per annum, commencing in December 2023, and is collateralized by the BMI and LandWell interests acquired. The defened payment obligation has no specified maturity date. We are required to make repayments on the defened payment obligation, in specified amounts, whenever we receive distributions from BMI and LandWell, and we may make voluntary repayments on the defented payment obligation at any time, in each case without any penalty, but in any case only after the promissory note discussed above has been repaid in full. For financial reporting purposes, the acquisition date estimated fair value of the deferred payment obligation was approximately \$8.2 million, which was determined by discounting the \$\text{ million face amount to its present value using a 3% discount rate from December 2023 (when it becomes interest bearing at 3%)

Upon gaining ownership of the BMI and LandWell interests formerly held by Tronox in 20 0, NERT concluded that it would not be appropriate to take part in any corporate activities of BMI and LandWell, due to (i) the inherent conflict of interest associated with the fact that NERT was responsible to the Nevada Department of Environmental Protection with respect to the remediation of property NERT had acquired as a result of the Tronox plan of reorganization (including the five parcels of real property discussed above as well as other real property formerly owned by Tronox in Nevada), (ii) BMI and LandWell were involved in certain environmental remediation activities associated with the real property owned by LandWell which was under development, and (iii) NERT was also charged with maximizing the value of its assets, including the interests in BMI and LandWell as well as the real property it held directly Accordingly, NERT never appointed any representatives to the board of directors of BMI, representatives of NERT never attended any BMI and LandWell board meetings, and at NERT's request NERT was not provided any financial statements or other information regarding BMI and LandWell and their respective activities. In addition, NERT (which received some cash and other assets at its formation as part of the Tronox plan of reorganization and also received the BMI/LandWell interests as well as the real property formerly owned by Tronox) knew it would need to raise funds in order to continue the environmental remediation obligation it assumed as part of its formation because the cash it received at its formation was substantially test than the amount it would need in order to continue such remediation. We believe that due to these conflicts and its feitre to raise cash, NERT determined it needed to divest itself of the BMI and LandWell interests as soon as was practicable. And given the provisions of the governing documents of BMI and LandWell that gave BMI and LandWell and their other owners a right of first refusal,

In January 20—4, we engaged an independent third party valuation firm to assist us with the overall fair value determination for a portion of the assets acquired for financial reporting purposes in accordance with ASC 805. The third party valuation firm assisted us in the valuation of the lend held for development we acquired, substantially all of the property, plant and equipment acquired and a portion of the other noncurrent assets acquired. The land held for development we acquired consisted of

approximately 2, 00 scres zoned for residential/planned community purposes and approximately 400 acres zoned for commercial and light industrial use in estimating the value of the land held for development we acquired, the valuation firm used a sales comparison (or market) approach, in which the value of each parcel acquired was estimated by comparing it to similar properties that had recently been sold or were currently being marketed for sale. The firm consulted local brokers, appraisers and databases for recent sales of comparable property within the Henderson, Nevada area. The available market data was then investigated, analyzed and compared to each parcel. The material factors considered by the valuation firm when investigating, analyzing and comparing the recent sales include characteristics of such other sales (e.g., type of property rights conveyed, non market oriented financing (if any), any arypical conditions of the sale) and the physical characteristics of the property underlying such sales (e.g., location, topography, configuration, exposure/funtage, condition, zoning). As applicable, the valuation firm made appropriate adjustments to such factors for any dissimilar characteristics between such other sales and LandWell's land held for development. In addition, we (as well as management of BMI and LandWell) reviewed the fair value amounts we received from such valuation firm to determine that such fair values were reasonable and consistent with our knowledge and experience with the local market, including the consideration of certain acreage in the residential/planned community that was under contract with homebuilders in December 20-3 or in the final stages of negotiation with homebuilders in December 20-3 and subsequently became under contract in early 20-4

For financial reporting purposes, the assets acquired and liabilities assumed of BMI and LandWell were included in our Consolidated Balance Sheet beginning as of December 3-, 20-3, and the results of the operations and cash flows of BMI and LandWell are included in our Consolidated Statements of Operations and Cash Flows beginning January -, 20-4. Our costs associated with the acquisition were not material

We remeasured our existing ownership interests in BMI and LandWell to their estimated fair valve at the acquisition date in accordance with ASC 805 0 25, for a business combination which occurs in stages (because we previously had an ownership interest in BMI and LandWell) As a result of such remeasurement, we recognized a pre-tax gain of \$26.6 million in December 20.3, representing the difference between the \$43.4 million estimated fair value of our existing ownership interests in BMI and LandWell at the acquisition date and their aggregate \$1.6 million carrying value at the acquisition date

Under ASC 805 30 25, a "bargain purchase" occurs when the acquisition date amounts for the identifiable net assets acquired (measured as required by applicable GAAP) exceeds the sum of (i) the fair value of the consideration transferred to gain control of the acquiree, (ii) the fair value of any previously held ownership interests in the acquirer and (iii) the fair value of any noncontrolling interest in the acquiree that exits at the acquisition date. If a bargain purchase is initially identified, the acquirer is to measures whether all of the assets acquired and liabilities assumed have been appropriately identified, recognized and measured, and whether the fair value of the consideration transferred, previously held ownership interests and noncontrolling interests that exist at the acquisition date have been appropriately measured. If after this reassessment, a bargain purchase is still indicated, it is recognized as a gain in earnings. After performing such reassessment with respect to this acquisition, we determined a bargain purchase exists. We believe this acquisition gave rise to a bargain purchase because of NERT's decision to sell the BMI and LandWell interests it acquired as part of the Tronox plan of reorganization (for the reasons discussed above), the right of first refusal rights granted to BMI and LandWell and their owners under the governing documents of BMI and LandWell and the time (72 months) it took to reach agreement on the terms and conditions of a definitive agreement after reaching agreement on the basic mometary tenns. In addition following the 2008 economic downum, LandWell's sales were substantially reduced as compared to prior years and LandWell did not recognize any material land sales in the 2008 to 20-3 time period. As a result, we recognized a pre-tax bargain purchase gain of \$28.0 million in December 20-3

The following table summarizes the aggregate fair value of the consideration we paid to gain control of BMI and LandWell, the one parcel of real property acquired and the option to acquire the remaining four parcels of real property (which one parcel and option to acquire the temaining four parcels collectively were estimated to have an aggregate fair value of \$\frac{8}{2}\$ 4 9 million), and our current estimates for the fair value of our existing ownership interests in BMI and LandWell, the gain on bargain purchase recognized (which along with the gain on remeasurement of our existing investment in BMI and LandWell, aggregated \$\frac{354}{2}\$ 6 million and was recognized in the fourth quarter of 20 3), the amounts assigned to the identifiable assets acquired and liabilities assumed at the acquisition date and the fair value of the noncontrolling interest in BMI and LandWell that exists as the acquisition date. Our final purchase price allocation indicated below was based upon the final fair value appraisal report issued by the independent valuation firm of the assets acquired and liabilities assumed of BMI and LandWell, including the fair value of the noncontrolling interest in BMI and LandWell at the acquisition date, using the fair value measurement principles of ASC 820. Such independent appraisal is considered a Lovel 3 input under ASC 820. Such final purchase price allocation change from our previously reported preliminary purchase price allocation.

Based on our analysis of the emounts of the transaction at December 3, 20, 3 we recognized the following:

	Almi (Daran	iviput Magazi
Consideration:	٠٠ .	
Cash	\$. 33
Promazory note payable		9
Delbured payment, obligation (\$ million face value)		8 2
Total fair value of consideration		326
Fair value of our existing equity interest in BMI and LandWell		43 4
Burgain purchase gain recognized		280
Total	Š.	040
Allocation of purchase price to identifiable sasets acquired and liabilities		
asammeq:		
Casas.	5 .	274
Land held for development:		
Current		. 4 3
Noncurrent .		58
Other current assets		94
Property, plant and equipment:		290
Intangible assæl	,	5
Other agocurrent assets	`.	. 34
Long term debt		(43)
Other liabilities		(66·9)
Total not identifiable assets	_ _	655
Noncontrolling interest in BMI and LandWell	. <u> </u>	(6 5)
Total	Ş	04 0

The proforms effect on our Consolidated Statement of Operations for 20° 3, assuming the acquisition of BAC and LandWell had occurred at the beginning of such period, is not material

Waste Control Specialize LLC

On November 8, 20 5, we entered into an agreement with Rockwell Holden, Int. ("Rockwell"), for the sale of WCS to Rockwell for \$270 million in cash, \$20 million five amount in Series A Preferred Stock of Rockwell plus the assumption of all of WCS third party indebtedness incurred prior to the date of the agreement. Additionally, Rockwell and its affiliates will assume all financial assumnce obligations related to the WCS business. Rockwell is the parent company of Energy Solutions, inc. Completion of the sale is subject to certain customary closing conditions, including the receipt of US and trust approval, and is expected to close in the first half of 20 6, assuming all closing conditions are satisfied. There can be no assumance that any such sale of WCS would be completed. Due to, among other things, the size of our WCS business relative to our other businesses in terms of both net sales and asset size, the disposal of WCS would not constitute a strategic shift that would have a major effect on our consolidated operations and financial results under the guidance in ACS 205.20. Accordingly, assuming the sale of WCS is completed, WCS would not be presented as discontinued operations in our Consolidated Financial Statements. See Note 2 for additional information regarding the operations of the Waste Management Segment. Significant items included in our Consolidated Balance. Sheets related to WCS at December 3, 20, 4 and 20, 5 included:

			December	al,
			2014	2015
			(វិគ្គ ជង បី ប	nu)
ASSETS		٠.		•
Current assets		8	46 S	10.1
Operating permits	•		53.2	48.1
Restricted cash			Ò	16.3
Property and equipment, net			6.5	1500
LIABILITIES	•			
Current portion of long term debt		\$	45 \$	4.9
Payable to Contran			26	26.1
Long tenn debt			76.4	. 714
Accrued proscurrent elosure and post closure costs			25 7	27.4

Note 4 Marketable securities:

•		'Martinol volume		Cost bas s	United at loines, nel	si
December on Adults				lisaa lienuj		
December 31, 2014:		· · · .	·			
Current assets	3	2.7	ă	27	<u> </u>	
Noncument assets:		٠.			5.3	
The Amalgamated Sugar Company LLC	. \$	250 O	3	250 0	5	
Other		5.6		5.8		(Z)
Total	*	255 6	\$	255 8	3	(2)
December 31, 2015:					. •	
Current assets	<u>s</u>	2.0	8	2.0	<u></u>	
Noncorrent essets:					٠	•
The Amalgamated Sugar Company LLC	3	250.0	8	150.0	8. 4	
Other		4.9		51		(2)
Total	3	254.9	\$	255.1	š:	(.1)

				Bar Vak	ie Mei	recements		
		្រទៅ		Quoted Prices to Active Marketa (Level I)		Sign ficant Other Observable Impor (Level 1)		S gu f cant nathervable topuis (Level 3)
Burtus as and the state of				. (A	Bai, H o	ona)		
December 31, 2014: Current assets	2 .	27	\$.		\$	·o	8	
Noncurrent assets:	+				_			
The Amalgamajed Sugar Company LLC Fixed income securities	\$.	250 0 · 3	\$	· · · · · · · · · · · · · · · · · · ·		. 20 173	\$	250 0
Mutual funds and common stocks Total	5	25 235 6	5	7.5 7.5	· <u>\$</u>	· 🐮 ·	\$ 57	250.0
December 31, 2015: Current assets	3	2,0	· <u>s</u>		; <u>s</u>	2.0	<u></u>	··
Noncturent assets: The Arisi general Sugar Company LLC	s .	250.0	s		- ₅		\$	250.0
Fixed income securities Mutual finds and consoon stocks		1.4 3.5		·3i.2	, .	: 1.4		
Total	s	254.9	. 8	3.	5	1.4	\$	250.0

Amalgamated Sugar Prior to 20 3, we transferred control of the refined sugar operations previously conducted by our wholly owned subsidiary, The Amalgamated Sugar Company, to Snake River Sugar Company, an Oregon agricultural cooperative formed by certain sugar best growers in Amalgamated's areas of operations. Pursuant to the transaction, we confributed substantially all of the not easiers of our refined sugar operations to The Amalgamated Sugar Company C.L.C., a limited liability company controlled by Snake River on a tax defenced basis in exchange for a non voting ownership interest in the LLC. The cost basis of the not easies we transferred to the LLC was approximately \$34 million. When we transferred control of our operations to Shake River in return for our interest in the LLC, we recognized a gain in camings equal to the difference between \$250 million (the fair value of our investment is the LLC as evidenced by its \$230 million redemption price, as discussed below) and the \$34 million cost basis of the net easies we contributed to the LLC, not of applicable deferred income taxes. Therefore, the cost basis of our investment in the LLC is \$250 million. As part of this transaction, Snake River made search loans to os aggregating \$250 million. These loans are collaborable of the uniforment in the LLC. See Notes 9 and 5

We and Saske River share in distributions from the LLC up to an aggregate of \$26.7 million per year (the "base" level), with a preferential 95% share going to us. To the extent the LLC's distributions are below this base level in any given year, we are suitfled to an additional 95% preferential share of any future annual LLC distributions in excess of the base level until the shortfall is recovered. Under certain conditions, we are entitled to receive additional each distributions from the LLC. At our option, we may require the LLC to redeem our interest in the LLC, and the LLC has the right to redeem, at their option, our interest in the LLC beginning in 2027. The redeemption price is generally \$250 million plus the amount of certain undistributed income allocable to us. If we require the LLC to redeem our interest in the LLC, Shake River has the right to accelerate the maturity of and cell but \$250 million loans from Spake River.

The LLC Company Agreement contains certain restrictive covenants intended to protect our interest in the LLC, including limitations on capital expenditures and additional ladebiedness of the LLC. We also have the ability to temporarily take control of the LLC if our cumulative distributions from the LLC fall below specified levels, subject to entisfaction of certain conditions imposed by Shake Kives's current third party senior leaders

Prior to 20-3, Saske River agreed that the sound amount of distributions we receive from the LLC would exceed the assual amount of interest, payments we own to Single River on our \$250 million in loans from Souke River by at least \$-8 million. If we receive less than the required minimum amount, vertain agreements we previously made with Snake River and the LLC, including a reduction in the amount of cumulative distributions that we must receive from the LLC in order to prevent us from becoming able to reaspondily take control of the LLC, would retreactively become null and void and, we would be able to temporarily take control of the LLC maintained the applicable minimum required levels of cash flows to us

We report the cash distributions received from the LLC as dividend Income. We recognize distributions when they are declared by the LLC, which is generally the same month we receive them, although in certain cases distributions may be paid on the first business day of the following month. See Note. 5. The amount of such future distributions we will receive from the LLC is dependent upon, among other things, the future performance of the LLC's operations. Because we receive preferential distributions from the LLC and we have the right to require the LLC to redeem our interest for a fixed and determinable smount beginning at a fixed and determinable date, we account for our investment in the LLC as a marketable secturity carried at its end and \$250 million. The cost basis is also the fair value of our investment determined using Level 3 inputs as the \$250 million redemption price of our tavestment in the LLC as well as the amount of our debt owed to Snake River Company that is collateralized by our investment in the LLC. There has been no change to the fair value of our Amalgarosised Sugar investment during 20.3, 20.4 or 20.5. We do not expect to report a gain on the redemption at the time of redemption.

Other. The fair vottee of our other marketable securities are either determined using Level—inputs (because the securities are solively (radial) of determined using Esvel 2 inputs (because although these securities are traded, in many cases the market is not active and the year and valuation is generally based on the last trade of the year, which may be several days prior to December 3.)

Note 5 Accounts and other receivables, neu-

			Degemi	ber 31,	· .
		20	14	24	15
			, On jo	(Lore)	
Tradé accounts receivable:	 :				
Kronos		\$	230 9	8	194.8
CompX			8 8		8.8
WC8			7.7		5.2
⅌℠ⅅℂⅎ℩ ⅆ ₩ⅇ℄			4	٠.	1,2
VAT and other receivables			24 3		20.1
Allowance for doubtful accounts			(8)	:	(1.2)
Total .		8	. 27 3	\$	228.9

Note 6 Inventories, net:

			Decem	ber 11.	
		2.61	i		015
Rew materials:			(Įú m	U o as)	
Chemicals	٠.	.	760		75.9
Component products		. . <u> </u>	34	. 🔨 🔃	2.8
Total raw materials			79 4		78.7
Wark in process:		· : ·	-		
Chemi⇔ls			32,9		21.1
Component products	٠.		0.3	· ·	9.3
Total in process products			43 Z		30,4
Fixished products:			· · ·		
Chemicals			253.2		233.1
Component products			3.2		3.0
Total fluished products			2364	:	236.1.
Supplies (primarily chemicals)		· · · · ·	64'0		69,0
Total		<u>\$</u>	443.0	S	405.2
		-			

Note 7 Investment in TiO2 manufacturing joint venture and other assets:

		<u> </u>					
		10	14		2015		
			(liii) oq	A a pay			
Other assets:				٠.			
Land held for development		\$	63	\$	157,2		
. Waste disposal site operating permits, net			532		48.3		
Restricted cash			39		19.6		
IBNR etcejívables			6.5		7.0		
Capital lease deposit		٠.	6.2		6.2		
Intangible essets	•		.5		5.1		
Other			27.5		11.8		
Total		 5	. 277 B	8	255.0		

Invasiment in TiOs manufacturing foint venture. Our Chemicals Segment and another Tillz producer, Tioxide Americas LLC ("Tioxide"), are equal owners of a manufacturing foint venture (Louisiana Pignent Company, L.P., or "LPC") that owns and operates a TiO2 plant in Lake Charles, Louisiana Tioxide is a whally owned subsidiary of Hinternan Corporation

We and Tioxide are both required to purchase one half of the TiOz produced by LPC, unless we and Tioxide agree otherwise (such as in 20-5, when we purchased approximately 52% of the production from the plant) LPC operates on a break even basis and, accordingly, we report to equity incamings of LPC. Each owner's acquisition transfer prior for its share of the TiOz produced is equal to its share of the joint venture's production costs and interest expense, if any Our there of not cost is reported as cost of sales as the cellulated TiOz acquired from LPC is said. We report distributions we receive from LPC, which generally relate to excess each generated by LPC from its non cash production costs, and contributions we make to LPC, which generated by LPC from its non cash flows from operating activities in our Consolidated Statements of Cash Flows. The components of our cut distributions (contributions) from LPC are shown in the table below.

				Yeging anded Descimber 31.						
					2013			2014		2015
								(៤០ ខា វី ១០៨)		
Distributions from LPC			•	3		70.7	5	48.0	\$	48.2
Contributions to LPC						(59.8)		(37.4)		(0.7)
Net distributions				\$		0.9	\$	0.6	. 3	6.5

Summary balance sheets of LPC are shown below:

		·Dei	amber 31,	
		2014	2015	
		· (Å	na d obeţî	
ASSETS	٠			· ·
Current assets		.\$.07	4 \$	96.2
Property and equipment, out	÷		6	110.1
Total Books		\$ 28	<u>o</u> \$:::	206.3
LIABILITIES AND PARTNERS' EQUITY			•	
Other liabilities, primarily current		3 37	3 5	37.8
Partners' equity		. 80	7	168.5
Total fiabilities and partners' equity		9 28	0 8	2063

Summary income statements of LPC are shown below:

	Kears ended December 31.			
	. 20(3	2014	2015	
		(to m ti oni)		
Revenues and other income:	٠.	2 m	花花镜 化二氯	
Ктолов	\$ 224.5	\$ 193.1	3 176.5	
Tioxide	224.6	193.8	1.62.5	
Total	449:5	386 <i>9</i>	339.0	
Cost and expenses:				
Cost of sules	448.7	386.4	338-5	
General and administrative		.5		
Total	449.1	386,9	339.0	
Net to come	<u>s</u>	<u>5</u>	\$	

Investment in Basia Management and LandWell. As discussed in Note 3, prior to December 20.3 we owned a 32% interest in BMI and u. 2% interest in LandWell. BMI owns an additional 50% interest in LandWell, and we accounted for our ownership indexests in BMI and LandWell by the equity method and began to secount for BMI and LandWell as a consolidated subsidiary. For federal income (ax purposes LandWell is treated as a partnership, and accordingly the combined results of optimizing of BMI and LandWell include a provision for income taxes in LandWell's earnings innly to the extent that such earnings serve to BMI. We previously recorded our equity in earnings of BMI and LandWell on wone quartering because their figure is statements were generally not available to us on a timely basis. Upon gaining control of BMI and LandWell are December 20.3, we eliminated the one quarter lag by recognizing, in the fourth quarter of 20.3, equity in earnings of BMI and LandWell attributable to the six manth period caded December 3., 20.3. The offert of this one quarter lag, as well as the effect of us recognizing five quarters of equity in earnings of BMI and LandWell in 20.3, was not material to any period presented. Certain selected combined financial information of BMI and LandWell is supromitted below.

				Septe	e Months (pober 30, 7 a ra [[one]	1013
Total revenues:				 \$	а на р одгу	9.5
Loss before income taxes Net loss					٠.	(3.9) (3.7)

Land held for development. The land hold for development relates to BMI and LandWell and is discussed in Notes and 3

Capitalized permit costs. We obtained our hyproducts disposal license in 2008 and began amortizing such license when the hyproduct disposal facility began operations in October 2009. We obtained our LLRW ficense in September 2009. Our LLRW ficinities commenced operations in 20-2, at which time we began amortizing such license. Amortization of capitalized operating permit costs was \$6.5 million in 20-3, \$6.6 million in 20-4 and \$6.3 million in 20-5. Our estimated aggregate amortization expense for all our of capitalized permit costs as of December 3-, 20-5 is approximately. \$6.3 million in each of 20-6 and 20-7, \$5.7 million in 20-8 and \$5.3 million in each of 20-9 and 2020. Capitalized permit costs are streed, set of accumulated amortization of \$2.5.3 million at December 3-, 20-4 million at December 3-, 20-5. The components of not capitalized permit costs are presented in the table below.

	Dereimber 71.			
	2014	•	2815	
		र्ग का भी}	O (14)	
Net permit costs for issued permits which are being smortized:			•	
LLRW license (expires in 2024)	\$	496	\$ 44.7	
Byproduct license (expires in 20-8)		35	2.5	
Other (expires 20 5 2024)			.1	
Total amortized permits		53 2	47.3	
Permits put being amortized			8	
Tobal	. 2	53.2	S 48.1	
	. <u>s</u>	53.2.	S 48.1	

Other. We have certain related party transactions with LPC, as more fully described in Note 6

The BNR receivables relate to certain insurance liabilities, the risk of which we have reinsured with certain daid party insurance carriers. We report the insurance liabilities related to these BNR receivables which have been reinsured as part of noncurrent accrited insurance claims and expenses. Certain of our insurance liabilities are classified as eintent liabilities and the related IBNR receivables are classified with other current assets. See Notes. 0 and 6

Restricted each relates primarily relates to our Waste Management Segment. In April 20, 4, 8, 8,0 million of such restricted cash was released to WCS. See Note, 7

The capital loase deposit relates to certain indebtedness of our Waste Management Segment and is discussed in Note 9

Upon acquiring a controlling interest in our Real Estate Management and Development segment in December 20-3, we recognized an indefinite lived cassomer relations intengible asset of \$5 million for long term contracts related to water delivery services to the City of Henderson, Nevada and various other uses through a water system owned by BMI See Note 3

Nate 6 Goodwill:

We have assigned goodwill to each of our reporting units (as that term is defined in ASC Topic 350 20 20, Goodwill) which corresponds to our operating segments All of our goodwill related to our Chemicals Segment is from our various step acquisitions of NL and Kronos which occurred prior to 20 3, as goodwill was determined prior to the adoption of the equity transaction framework provisions of ASC Topic 8 0 Substantially all of the net goodwill related to the Component Products Segment was generated from CompX's acquisitions of which has operating segment goodwill is assigned to the security products reporting unit within that operating segment

		Operat by regment			
		•	Composent		
		Chess cals	Products.	Tomi	
			(In on li' aets)		
Balance at December 31, 2013, 2014 and 2015	· · · · · · · · · · · · · · · · · · ·	S 352.6	\$ 27.1	\$ 379.7	

We test for goodwill impairment at the reporting unit level in determining the estimated fair value of the reporting units, we are appropriate valuation techniques, such as discounted each flows and, with respect to our Chemicals Segment, we consider quoted market prices, a Level input, while discounted each flows are a Level 3 input. We also consider control premiums when assessing fair value using quoted market prices. If the carrying amount of goodwill exceeds its implied fair value, an impairment

charge is recorded. We toyiew goodwill for each of our reporting units for impairment during the third quarter of each year. Goodwill is also evaluated for impairment at other lisess 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. If the fair value of on evaluated asset is less than its book value, the asset is written down to fair value Prior to 20-3, we used a quantitative assessment in determining the estimated fair value of our Component Products security products reporting unit, using appropriate valuation techniques such as discounted each flows. Such discounted each flows are a Level 3 input as defined by ASC 820-035. If the corrying amount of goodwill exceeds its implied fair value, an impairment charge is recorded. In 20.3 we adopted the guidance in ASU No. 20-08 for testing goodwill for impairment by assessing qualitative factors solely as it relates to our security products reporting unit, to determine whether it is necessary to perform the two step quantitative goodwill impairment test.

We performed our annual goodwill impairment test in the third quarter of 20.5 for each of our reporting units and concluded there was on impairment of the goodwill for those reporting units. The impairment (est as it retains to our actually products reporting unit was based on our qualitative assessment, and as a result a quantitative assessment was not required for such reporting unit for 20.5. We also tested our goodwill for impairment in connection with our annual goodwill impairment test during the third quarter of 20.3 and 20.4. No impairment was indicated as part of such 20.3, 20.4 or 20.5 annual review of goodwill

Prior to 20-3, we recorded an aggregate \$-6.5 million goodwill impairment, mostly with respect to not Component Products Segment Our consolidated gross goodwill at December 3-, 20-5 is \$396.2 million

Note 9 Long-term debt:

	Dece	inher 31,
	2614	1015
	(far	m (I das)
Valhi:	٠.	
Soake River Sugar Company	S 250,0	
Contran stealt facility		
Total Valki debi	. 473.7	513.8
labsidiary debt.	7 M 11 1. 1. 1.	
Kronos		
Texa loca	340 9	338.0
wcs		
Financing capital lease	67	65.6
Tremont		
Promissory note payable	74	17.1
BM1		
Bank note payable	02	9.3.
LandWell	<u>-</u>	. 24
Note payable to the City of Handerson	3	3.1
Other	66	
Total subsidiacy dept	4553	
Total debi	929 0	
Less current institution	93	<u> </u>
Total long term débit	5 997	\$ 951.0

Valli Snake River Sugar Company Our \$250 million to loans from Snake River Sugar Company are collateralized by our interest in The Amalgamated Sugar Company LLC. The loans bear interest at a weighted average fixed interest rate of 9.4% and are due in January 2027. At December 3., 20.5, \$37.5 million of the loans are recourse to us and the remaining \$2.2.5 million is nonrecourse to us. Under cettain conditions, Snake River has the ability to accederate the maturity of these loans. See Note 4.

Contrain credit factling. We also have an unaccured revolving credit facility with Contran Which, as amended, provides the borrowings from Contran of up to \$325 million. The facility, as amended, bears interest at prime plus. % (4.50% at December 3., 20.5), and is due on demand, but in any event no earlier than December 3., 20.7. The facility contains no fiducial coverants or other financial restrictions. Valid pays an unused commitment for quantity to Contran on the significant factories that the factories on the significant factories interest rate on the term loss borrower from Valid.) The average interest rate on the term loss borrower from Valid.

December 3, 20,5 was 4,26%. During 20,5 we borrowed an additional net \$40, million and at December 3, 20,5 an additional \$6,2 million was available for borrowings under the amended facility.

Kronos Term loans in 20 3, Kronos voluntarily repaid its entire \$400 million term loan that was issued in June 20 2 Kronos prepaid an aggregate \$390 million principal amount and recognized a non-cash pre-tax interest charge of \$8.9 million in 20 3 related to this prepayment consisting of the write off of unamortized original issue discount costs and deferred financing costs associated with such prepayment. Punds for the aggregate prepayment were provided by \$ 50 million of cash on hand, horrowings of \$ 90 million under a 20 3 loan agreement with Courtan as described below, \$50 million of cash on hand and borrowings of \$50 million under its revolving North American credit facility.

In February 20 4, Kronos entered into a new \$350 million term loan. The term loan was issued at 99.5% of the principal amount, or an aggregate of \$348.3 million. Kronos used \$70 million of the net proceeds of the new term loan to prepay the outstanding principal balance of its note payable to Contran (along with accrued and unpaid interest through the prepayment date), and such note payable was cancelled. The remaining net proceeds of the term loan are available for Kronos' general corporate purposes. The new term loan:

- bears interest, at Kronos' option, at LIBOR (with LIBOR no less than 0%) plus 3.75%, or the base rate, as defined in the agreement, plus 2.75%;
- requires quarterly principal repayments of \$875,000 which commenced in June 20-4, other mandatory principal repayments of formula
 determined amounts under specified conditions with all remaining principal balance due in Petrusry 2020 Voluntary principal
 prepayments are permitted at any time;
- is collateralized by, among other things, a first priority lien on (i) 00% of the common stock of certain of Kronos' U.S. wholly owned subsidiaries, (ii) 65% of the common stock or other ownership interest of Kronos' Canadian subsidiary (Kronos Canada, Inc.) and certain first tier European subsidiaries (Kronos Titan OmbH and Kronos Denmark ApS) and (iii) a 3395.7 million unsecured promissory note issued by Kronos' wholly owned subsidiary, Kronos International, Inc. (KII) to Kronos;
- is also collateralized by a second priority lieu on all of the US assets which collateralize Kronos' North American revolving facility, as discussed below;
- contains 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 Kronos' assets to, another entity, contains other
 provisions and restrictive covenants outstomary in lending transactions of this type (however, there are no ongoing financial maintenance
 covenants); and
- contains customary default provisions, including a default under any of Kronos' other indebtedness in excess of \$50 million

In May 20-5 Kronne entered into an amendment to its term loan due in February 2020. As a result of the amendment:

- The applicable margin on outstanding LIBOR based borrowings was reduced from 3.75% to 3.00%, and the applicable margin on outstanding base rate borrowings was reduced from 2.75% to 2.00%; and
- A provision was added whereby if we elected to call all or a portion of the outstanding principal balance within six months of completing
 the amendment (i.e. before November 20-5], a % call premium of the aggregate principal smoons so prepaid would apply. There is no
 prepayment penalty applicable to any call after November 20-5. We made no such call prior to November 20-5.

We accounted for such amendment to our term loan as a modification of the terms of the term loan. All other terms of the term loan, including principal repayments, maturity and collateral remain unchanged. We paid a \$750,000 refinancing fee in connection with this amendment, which along with the existing unamortized deferred financing costs associated with the term loan are being amortized over the remaining term of the loan.

The average interest rate on the term loan borrowings as of and for the year ended December 3, 20, 5 was 4,0% and 4,29%, respectively. The carrying value of the term loan at December 3, 20, 5 is stated net of unamortized original issue discount of \$,2 million and debt issuance costs of \$4.7 million (at December 3, 20, 4 the amounts were \$,5 million and \$5.0 million). See Note 20

See Note 8 for a discussion of the interest rate swap we entered into in the third quarter of 20 5 pursuant to our interest rate risk management strategy

Note payable to Contran As discussed above, in February 20-3 Kronos cateted into a promissory note with Contran This loan from Contran contained terms and conditions similar to the terms and conditions of the prior \$400 million term loan, except that the loan from Contran was unsecured and contained no ongoing financial maintenance covenant. The independent members of Kronos' board of directors approved the terms and conditions of the loan from Contran in 20-3, Kronos borrowed \$-90 million and subsequently repaid \$20 million. In February 20-4 Kronos used \$-70 million of the proceeds from its new term loan and prepaid the remaining balance newed to Contran under this note payable (without penalty), and the note payable to Contran was cancelled.

Revolving North American credit facility—In June 20-2, Kronos entered into a \$-25 million revolving bank credit facility which matures in June 20-7. Borrowings under the revolving credit facility are available for Kronos' general composes. Available borrowings on this facility are based on formula determined amounts of eligible trade receivables and inventorics, as defined in the agreement, of certain of Kronos' North American subsidiaries less any outstanding letters of credit up to \$-5 million issued under the facility (with revolving borrowings by Kronos' Canadian subsidiary limited to \$25 million). Any amounts outstanding under the revolving credit facility bear interest, at Kronos' option, at LIBOR plus a margin ranging from 5% to 2.0% or at the applicable base rate, as defined in the agreement, plus a margin ranging from 5% to 0.0%. The credit facility is collateralized by, among other things, a first priority lien on the borrowers' trade receivables and inventories. The facility contains a number of covenants and restrictions which, among other things, restricts the borrowers' ability to incur additional debt, incur tiens, pay dividends or merge or consolidate with, or sell or transfer all or substantially all of their assets to, another entity, contains other provisions and restrictive covenants customary in lending transactions of this type and under certain conditions requires the maintenance of a specified financial covecant (fixed charge coverage ratio, as defined) to be at least—to—0. During 20-4, Kronos borrowed \$8-0 million and repaid an aggregate of \$92-million under this facility. Kronos had no horrowings or repayments under this facility during 20-5, and at December 3-, 20-5 Kronos had approximately \$68.3 million available for borrowing under this revolving facility

Revolving European credit facility. Kronos operating subsidiaries in Germany, Belgium, Norway and Denmark have a 6–20 million secured revolving bank credit facility that, matures in September 20–7. Kronos may denominate borrowings in Buros, Norwegian kroner of US dollars. Outstanding borrowings bear interest, at LIBOR, plus – 90%. The facility is collateralized by the accounts receivable and inventories of the borrowers, plus a limited pledge of all of the other assets of the Belgian borrower. The facility contains certain restrictive covenants that, among other things, restrict the ability of the borrowers to incur debt, incur liens, pay dividends or merge or consolidate with, or sell or transfer all or substantially all of the assets to, another entity, and requires the maintenance of certain financial ratios. In addition, the credit facility contains customary cross default provisions with respect to other debt and obligations of the borrowers, KII and its other subsidiaries.

Kronos had no borrowing or repayments under this facility during 20.5 and at December 3., 20.5, there were no outstanding borrowings under this facility Kronos' European credit facility requires the maintenance of certain financial ratios. Kronos' European revolving credit facility requires the maintenance of certain financial ratios, and one of such requirements is based on the ratio of net debt to last twelve months camings before income tax, interest, depreciation and amortization expense (EBITDA) of the borrowers. Based upon the borrowers' last twelve months EBITDA as of December 3., 20.5 and the net debt to EBITDA financial test, Kronos' borrowing availability at December 30, 20.5 is approximately. 9% of the credit facility, or \$23. million (\$25.3 million)

Canada In December 20 , Krouns' Canadian subsidiary entered into an agreement with an economic development agency of the Province of Quebec, Canada pursuant to which we may begin up to Cdn \$4.5 million through December 3 , 20.5 (no additional amounts are expected to be begrowed under this facility). Borrowings may only be used to fund capital improvements at its Canadian plant and are limited to a specified percentage of such capital improvements. Borrowings are non interest bearing, with equal monthly payments commencing in 20.8. The agreement contains certain restrictive covenants, which, among other things, restricts the subsidiary's ability to sell assets or enter into mergers, and requires Kronos' subsidiary to maintain certain financial ratios and maintain specified levels of employment. At December 3 , 20.5, Kronos had Cdn \$4.5 million (USD \$3.3 million) outstanding under this agreement.

Prior to December 3, 20, 4, Kronos' Canadian subsidiary had an aggregate of Cdn. \$7,9 million of letters of credit outstanding issued by a bank its behalf. These letters of credit were issued in connection with the appeal of a Canadian income tax assessment discussed in Note. 2. Upon the successful completion of the appeal in 20, 4, such letters of credit were cancelled, and an equivalent amount of restricted cash deposits which had been collateralizing such letters of credit, classified as noncurrent restricted cash, were released

WCS Financing enpiral lease Prior to 20-3, WCS closed under a Sale and Purchase Agreement with the County of Andrews, Texas whereby WCS sold centain real and personal property constituting a substantial portion of its property and equipment ("Transferred Assets") to the County for gross proceeds of \$75 million. WCS used the net proceeds received under the Agreement to finance the construction of its Pederal and Texas Compact LLEW disposal facilities. As a condition under the Agreement, WCS also concurrently entered into a Lease Agreement ("Lease") with the County pursuant to which WCS agreed to lease the Transferred Assets back from the County for a period of 25 years. The Lease requires monthly tertial payments payable through Airgust 2035, and during the Lease term WCS is responsible for all costs associated with the tist, occupancy, possession and operation of the Transferred Assets Under the terms of the Agreement, WCS was also required to pay all of the County's costs associated with the transactions, and the proceeds WCS meeting during the County upon closing under the Sale and Purchase deservents as of the County's cost, which aggregated approximately \$2 \times million At the end of the Lease term, title to the Transferred Assets automatically reverts back to WCS without further payment obligation. Prior to the end of the Lease term, WCS may, at its option, terminate the Lease are uncounted for these transactions in tandem as a financing capital lease is not in vited monator to recognize the Transferred Assets on our Consolidated Balance State and our routal payments due under the Lease are accounted for sa debt. The capital lease has an effective interest rate of approximately 7.0%. At the inception of the Lease, the County will hold the funds are prepaid deposit. The deposit serves as collateral for WCS' performance under the Lease and is included in our other noncorner assets. See Notes 7 and 6.

Other. Tremont's promissory note payable is discussed in Notes 3 and 6

In January 20, 3, BMI entered into an S = 9 million bank note payable to Meadows Bank. The precede of the note were used to refinance previously outstanding debt obligations. The note requires mouthly installments of S = million forcings the maturity date in January 2025. The note bears fatorest at a variable rate equal to the prime rate with a floor of 3.25% and a ceiling of 9.0%. The note is secured by certain real property to addition we are required to maintain cash collecteral of \$750,000 with the leader, which collecteral is classified as noncoment restricted cash in our Consolidated Balance. Sheets At December 3, 20, 5 the note had an outstanding balance of \$9.4 million and is stated net of debt issuance costs of S = million. The interest rate as of and for the year ended December 3, 20, 5 was 3,50% and 3,25%, respectively.

In May 20-2, LandWell entered into a \$3.9 million promissory note payable to the City of Henderson, Novada. The note requires sensi strangal payments of \$250,000 payable solely from cash received from certain specified revenue sources with any remaining unpaid balance due in October 2020, see Note - 7. The loan bears interest at a 3% fixed rate. Due to the uncertainty in timing of the cash to be received from the specified revenue sources, the outstanding balance of \$3 - million is deemed to be maturing in 2020.

Aggregate materities of lawy-term debt at December 31, 2015

Aggregate matarities of debt at December 3., 20.5 are presented in the table below

Years and my December 31,		Amount (In m.l) and
Criss amounts due each year.		. (
20 6		S 14.7
20 7		176.3
20 B	•	12.7
20 9		12.3
2020		341.8
202 and thereafter		366.0
Subtotal	· ·	1,023.8
Less amounts representing int discount and debt issuance	costa etest on cebitat feasest ou ling jaans	63.3
Total long term debt		S 960.8

We are in compliance with all of our debt covenants at December 3, 20, 5

Note 10 Accounts payable and accrued fabilities:

	ש	ecember 31,	
	2014	7(115
	- (poieci∎ous)	
Accounts payable:			
Kronos	. S 2	.4 Ֆ	96.1
CompX		39	2.7
WCS		4	1.3
BMULandWell	:	70"	7.1
NIL,		23	1.9
Other	·.	2	7
Total .	3	<u>62</u> S	104.8
Current accrued liabilities:		<u> </u>	 .
Employee benefits	s 3	46 S	24,7
Accrued sales discounts and rebates	2	30	23,9
Deferred income		98	21,8
Environmental remediation and related costs		02	11,7
Accrued workfarce reduction costs	•		5.3
Interest rate swap contract		13	3.3
Other	. 4	Ú 4	30.4
Total		80 S	121.1
Noncurrent accrued liabilities:			
Reserve for uncertain tax positions	. S	4. 3	32.9
Asset relitement obligations	2	71	28.8
Deferred income	. %	89	10.2
Employee benefits		8	7.1
Inspirance claims and expenses	"" 1	9.5	9.6
Defend payment obligation		85	8.8
Other	٠.	64	77.2
Total	\$	27 S	114.6

The risks associated with certain of our accreted insurance claims and expenses have been refinanced, and the related IBNR receivables are recognized as noncorrent asserts to the extent the related liability is classified as a noncorrent liability. See Note. 7. Our reserve for uncertain tax positions is discussed in Note. 2.

Our asset retrement obligations include amounts related to the closure and post closure obligations associated with our Waste Management. Segment's facility in West Texas. We recognized accretion expense of \$7 million in 20.3, \$7 % million in 20.4 and \$2.0 million in 20.5 on the closure and post closure obligations. We are required to provide certain financial assurance to Texas government agencies with respect to the decommissioning obligations related to such facility, as more fully described in Note. 7. Certain of our affiliates have provided or assisted us in justiciting such financial assurance, as discussed in Note. 6.

Bestmates of the ultimate cost to be incurred to settle our closure and post closure abligation require a number of assumptions, are inherently difficult to develop and the ultimate outcome may differ materially from corners assumates. However, we believe our experience in the solvinonmental services business provides a reasonable basis for estimating such costs. As additional information becomes available, cost estimates will be adjusted as necessary. It is possible that technological, regulatory or enforcement developments, the results of studies or other factors could necessitate the recording of additional fiabilities which could be material.

The deferred payment obligation relaises to Tremont and is discussed in Notes 3 and 6

Note 11 Employee benefit plans:

Defined contribution plans for our subsidiaries maintain various defined contribution pension plans for our employees Worldwide Defined contribution plans expense approximated \$4.2 million in 20-3, \$5.7 million in 20-4 and \$5.8 million in 20-5

Defined benefit plans. Krongs and NL sponsor various defined benefit pension plans worldwide. The benefits under our defined benefit plans are based upon years of service and employee compensation. Our funding policy is to contribute annually the minimum amount required under ERISA (or equivalent foreign) regulations plus additional amounts as we deem appropriate.

We expect to contribute the equivalent of \$ 5.8 million to all of our defined benefit pension plans during 20.6. Benefit payments to plan participants out of plan assets are expected to be the equivalent of:

20,6	· 				\$.	23 4 million
20 7						23 7 million
20 8			•			24 2 million
20 9						24.7 million
2020	• • •			٠.		25 6 million
Next 5 years						4 2 million

The funded status of our US defined benefit pension plant is presented in the table below

	Ý sz ra ended	December 31,		
	2014	2615		
		புந்தை)		
Change in projected beactift obligations ("PBO"):				
Balance at theginning of the year	5 62 0	s 70.2		
Interest cost	2,9	1.7		
Actuarial loss (gain)	99	(2.2)		
Benefits paid	(4.6	(4.1)		
Balance at end of the year	\$ '70 2	\$ 66.6		
Change in plan assets:	· · · · ·	· .		
Fair value at beginning of the year	\$ 54.9	\$ 53.6		
Arrual return on plan assets	.20	(2.3)		
Employer contributions	· · ·			
Benefilapaid	(4.6	(4.1)		
Fair value at end of year	S 53 6	\$ 47,6		
Funded siams	\$ 66	s 19.0		
Amounts recognized in the Consolidated Balance Sheets:		· · · · · ·		
Accused pension costs:				
Current	\$ (3) · \$ (3)		
Noncurrent	(63	(18.7)		
Total	(66	(19.0)		
Accumulated other comprehensive loss: Accustial loss	39 5	42.0		
Total	\$ 22.9	\$ 23.0		
Accumulated benefit obligations ["ABO")	5 70.2	5 66:6		

The components of our net periodic defined benefit pension benefit cost (credit) for US plans are presented in the table below The amounts shown below for the amortization of innecognized actuarial losses for 20-3, 20-4 and 20-5 were recognized as components of our accumulated other comprehensive income (loss) at December 3-, 20-2, 20-3 and 20-4, respectively, not of defenred income saxes and noncontrolling interest

		<u>भित्रकातः स्व</u>	ded December 31,	
	20	θĹĴ	2014	3415
		. 0	កែលបើលម្យ	
Net periodic pension benefit cost (credit) for U.S. plans:		•		
Interest cost	5	24 \$	29 \$	2.7
Expected return on plan assets		(49)	(4.0)	(3,9)
Amonization of unrecognized net		•		
actuarial loak	٠.	. 6.	2	1.7
Total	. <u>s</u>	(9) \$	3	: v <u>.</u> 5

Certain in formation concerning our US defined benefit pension plans is presented in the table below

	December 31,		
	2014		2015
		(edo il an all)	
Plans for which the ABO exceeds plan assets:	•	•	
Projected benefit abligations	5	702 S	66.6
Accumulated benefit obligations	1.4	70.2	66.6
Fair value of plan assets		53 6	47.6

The discount rate assumptions used in determining the actuarial present value of the benefit obligation for our US defined benefit pension plans as of December 3., 20. 4 and 20. 5 are 3.8% and 4.%, respectively. The impact of assumed increases in future compensation levels does not have an effect on the benefit obligation as the plans are frozen with regards to compensation.

The weighted average rate assumptions used in determining the net periodic pension was for our US defined benefit pension plans for 20-3, 20-4 and 20-5 are presented in the table below The impact of assumed increases in future compensation levels does not have an effect on the penodic pension cost as the plans are frozen with regards to compensation

	Year	rs ended December 31	·s
Rate	2013	2014 .	.241 N
Discount rate	3 6%	45%	3.8%
Long term rotum on plan esteta-	0 0%	75%	7.5%

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

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

	Years ended Decomber 31,				
	21	174		2075	
		(Ling)	ll one)	٠.	
Change in PBO:					
Balance at beginning of the year	5	604.9	\$]	689.2	
Service cost		9.9		. 11.2	
Interest cost		22.2		15.1	
Participants' contributions		; 20		1.6	
Actuarial loss (gain)	•	22.2		(((0,0)	
Change in culterby exchange rates		(75.3)	•	·((6 .9)	
Benefits paid		(26.7)		(213)	
Balance at and of the year	<u>s</u> .	639 Z	<u>s </u>	578.9	
Change to plan assets:					
Fair value of beginning of the year	2	44 6	Ť	425:5	
Actual return on plan assets		40.7		10.8	
Employer contributions.	·.· .	204		17.6	
Participants" contributions		2.0		1.6	
Change in currency exchange rates	•	(52.5)		(51.7)	
Benefits paid		(26.7)		(24.3)	
Fair value at end of year	\$	425 5	· 🕏	382:5	
Funded status	S	(233.7)	\$	(196.4)	
Amounts recognized to the Consolidated Balance Sheets:			-	 .	
Pension asset	5		5	1.7	
Accused pension costs:		٠.	- 1		
Сиптеля		(6)		·	
Noncurent	::-	(233)		(198.1)	
Talei		(233.7)		(196.4)	
Accumulated other comprehensive loss:	· 		<u> </u>		
Acquarial loss		252.3		234.1	
Prior service cont		2.2		1,9	
Total		254 5		236:0	
Total	S	20.8	2 .	39.6	
ABO	-	627 <i>5</i>	ŧ	554.4	
VBO	<u>*</u>	9273	*	33 4 A	

The components of our net periodic defined benefit pension benefit cost for our foreign plans are presented in the table below lit December 20-3, we amended one of Kronos' Canadian plans in which participation with respect to hourly workers was closed to new participants in December 20-3, and existing hourly plan participants will no longer accrue additional benefits after December 20-3, resulting in a 37 million cuntritment charge for recognition of previously treamortized prior service cost and transition obligation and \$2 million for special termination benefits. In 20-4, we assembled the other Kronos Canadian plan in which participation with respect to salaried workers was closed to new gardicipants in December 20-4, and existing bourly plan printoipants will no longer accruis additional benefits after December 20-4, resulting in a nominal containment charge. The amounts shown below for the amounts shown below for the following printoipants will not be accompanied as components of our accumulated other comprehensive income (loss) at December 3-, 20-2, 20-3, and 20-4, respectively, not of deferred income taxes and noticontrolling interest.

			. Ya	siry ended	l December 31		
		. 201	3	7	1014	10)	5
		 		((n e	n b ruusj		
Net periodic pension cost for foreign plans:							
Service cost		Ś.	3	5	ğg	5	11.2
Interest cost			26		22.2	:	15.1
Settlement gain		•			, (a)		
Curisilment loss		•	73				100
Expected return on plan assets			(89)		(20.6)		(17.3)
Agordzajíon of unrecognized:					·		٠. ٠
Prior service cost					. 5		A
Net transition obligations	. `	1.5	· 4.				
Net acquarial loss			2.5		0		13 ₺
Total		<u> </u>	37.	5	2 9	5	23.2
· · · · · · · · · · · · · · · · · · ·		<i>T</i> .		<u> </u>	· · · · · · · · ·		

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

	Dacetmber ≇1,				
	 2014	ZD (.5			
	 (cực II pa II)				
Plans for which the ABO exceeds plan assets:					
Projected benefit obligations	\$ 532 6 5	\$18.1			
Accumulated benefit collections	 603 4	498.7			
Fair value of plan essals	40 2	321.6			

A summery of our key actuarial assumptions used to determine foreign benefit obligations as of December 3, 20, 4 and 20, 5 was:

	Decomb		
Rate	2014	2015	
Discount rate	· . · · · · · · 2.5%	2.6%	į.
increase in future componentian levels	2 6%	2.5%	ŀ

A summary of our key actional assumptions used to determine freeign not periodic benefit cost for 20 3, 20 4 and 20 5 are as follows:

	Years unded December 31,						
Rate	2013		2014	2015			
Discount rate	· · ·	3.7%	38%	2,5%			
Increase in flaure compensation levels		3 %	2.7%	2.6 %			
Long term retorn on plan assets		50%	50%	4.6%			

Variances from actuarially assumed rates will result in instance or decreases in accumulated pension obligations, pension expense and funding requirements in forme periods

The amounts shown for all of our defined benefit plans for unrecognized actuarial losses and prior service cost at December 3 , 20 4 and 20 5 have not been recognized as components of our periodic defined benefit pension tost as of those dates. These amounts will be recognized at components of our periodic defined benefit cost in future years. These amounts, not of defined income taxes and noncontrolling interest, are recognized in our accumulated other comprehensive income (loss) at December 3 , 20 4 and 20 3. We expect approximately \$ 2.8 million and \$ 2 million of the unrecognized actuarial losses and prior service cost, respectively, will be recognized as components of our periodic defined benefit pension cost in 20 6. The table below details the changes in other comprehensive income (loss) during 20 3, 20 4 and 20 5.

Changes in plan assets and benefit obligations recognized to other comprehensive income (loss):

Not actuarial gain (loss)

Plan sustallment

Plan settlement

Amortization of unrocognized:

Prior service cost

Not transition obligations

Not actuarial losses

Total

	Year	ended Decar	uber 31,		
201	រេី	20(4		20	á
·		(மேய்) வ	ij		
\$	98 8	(ion s		.3
	7		(2)		
· · · · · · · · · · · ·			5		4
:	4. 42		3.		15.4
Ş	<u>42</u> 6 \$. (4) (16.1

At December 3, 20, 4 and 20, 5, all of the assets attributable to our US 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 employees benefits plane sponsored by Contran and certain of its affiliates. Prior to his death in December 20, 3, Mr. Harold C. Simmons was the sale trusted of the CMRT, and he along with the CMRT's investment committee, of which Mr. Simmons was a member, actively managed fire investments of the CMRT. The CMRT's long term investment objective was to provide a rate of return exceeding a composite of broad market entiry and fixed income indices (including the \$60,900 and certain Russell indices) while utilizing both third party investment managers as well as investment directed by Mr. Simmons (prior to his death). During the history of the CMRT from his inception in 988 through December 3, 20, 3, the assumed long term rate of return was 4% For the year ended December 3, 20, 3, the assumed long term rate of return assumption, we primarily relied on the historical rates of return achieved by the CMRT, although we considered other facing as well including, aroung 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 20-3, the Contran board of directors in January 20-4 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. During 20-4, the new investment committee began a protess of realfocating to ourset and/or new investment managers or various mutual funds and commingled flunds the portion of the CMRT assets that had previously been under direct and active management by Mr. Simpons: The realfocation process was done protectly over a period of time, given the diverse asset composition of this portion of the portfolio, and was substantially complete at December 3-, 20-5. Concurrent with this change in investment strategy in which there is no longer a portion of the CMRT's assets thinks direct and active management by Mr. Simpons, and considering the long term asset mix of the assets of the CMRT and the expected long term rates of faiture for such asset components as well as advice from Contran's actuaries, beginning in 20-4 the assumed long term rate of return for plan assets invested in the CMRT was reduced to 7.5%.

The CMRT unit value is determined semi-monthly, and the plans have the shifthy to redeem all or stip portion of their investment in the CMRT at any time based on the most recent semi-monthly valuation. However, the plans do not have the right to individual assets held by the CMRT and the CMRT has the sole discretion in determining how to meet any redemption request. For purposes of our plan asset disclosure, we consider the investment in the CMRT as a Lovel 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 snytime based on the most recent value and (ii) observable inputs from Level - or Level 2 were used to value approximately 80% and 8 % of the assets of the CMRT at December 3 , 20 4 and 20 5, respectively, as noted below. The aggregate fair value of all of the CMRT assets, including funds of Contan and its other affiliates that also invest in the CMRT, and supplemental asset mix details of the CMRT are as follows:

					December 31,				
						3014			2015
							र का बो)	l bipez	
CMB	lT asset valu€				\$	٠.,	7 55	3	648.8
CMF	CT. fair value înpuț:								
	Level	·		•		:	67%		54%
	Level 2						3		27
٠.	Level 3						20		19
	• .			•					100%
ĊMI	trim isse TS								
	Domestic equities, p	rincipally public	ly .						
	teded		-				48%		29%
	International equition	a principally pu	bliciý traded 🕟		٠.		_		22
	Fixed income securi	ties, principally i	onblicky traded				32		38
	Privately managed l	imited pagnershi	D6	:			7.		. 5
	Heappe flinds		•	• •			•		5
	Other, primarily cast	h .	4	. :		17.	a .	. * .	1
		•		•			00%		100%

In determining the expected long term rate of return on non US plat asset assumptions, we consider the long term easet prix (pg. equity we fixed income) for the assets for each of our plans and the expected long term rates of return for such asset components. In addition, we receive third party advice shout appropriate long term rates of return. Such assumed asset mixes are summarized below:

- In Germany, the composition of our plan assets is established to satisfy the requirements of the German insurance commissioner Our Cicroson pension plan assets represent an investment in a large collective investment find established and maintained by Bayat AG in which several pension plans, including our German pension plan and Bayar's pension plans, have invested Our plan assets represent a very nominal portion of the total collective investment find maintained by Bayer These plan assets are a Level 3 input because there is not an active market that approximates the value of our investment in the Bayer plan assets are an entire for the plan assets based on periodic reports we receive from the managers of the Bayer plan. These periodic reports we subject to audit by the German pension regulator.
- In Canada, we currently have a plan asset target allocation of 38% to equity securities, 55% to fixed tocome securities and 7% to other
 investments and cash. We expect the long term rate of return for such investments to average approximately. 23 basis points above the
 applicable equity or fixed tocome infies. The Canadian assets are Level. Inputs because they are traded in active markets.
- In Norway, we currently have a plan asset target allocation of to equity sociotiles, 79% to fixed income accounties, 7% to real estate and the remainder prinsarily to other investments and liquid investments such as money markets. The expected long tens one of return for such investments is approximately 7%, 3%, 5% and 5%, respectively. The majority of Norwegian plan assets are invested in real estate and other investments nor normally under and are therefore a Level 3 input.
- We also have plan assets in Belgium and the United Kingdom The Belgian plan assets are invested in certain individualized fixed income insurance contracts for the benefit of each plan participant as required by the local.

regulators and are therefore a Level 3 input. The United Kingdom plan assets counst of marketable securities which are Level—inputs because they made in active markets.

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

The composition of our December 3, 20, 4 and 20, 5 pension plan assets by asset category and fair value level is shown in the table below. The undusts shown for plan assets invested in the CMRT include a nominal amount of each held by our US pension plan which is not part of the plan's investment in the CMRT.

					Fact	Alia Mesage	gentic of De	srember 31, 201	4 '
				Teini		Quoted Prees n Act ve Markets (Level 1)	ď	gn I caul Other liservable Inguts Level I)	S yn I cant Unobervable Iopuis (Level 3)
			_			(Liz	றிக்கு		š . 240 7
Germany			3	240 7	3		\$		5 2407
Canada:				24		24			:
Local currency equities				344		344			٠
Foreign currency equines				34 4 50 3		503			
Local currency lixed income				. 3n a				· 1.4	
Global muhial fixed			÷					-	
Cash and other		:		6		6			
Norway:						_			
Local currency equities	٠.			. д		9		,	
Foreign currency equities				. 5					
Local currency fixed recome				293	•	29 3			
Foreign currency fixed income				3.8		3 ,5			
Real estate				4.5		·			4.5
Cash and other				. 03		9.2			
US CMRT	•			. 93 6				53.6	
Other				. 22		4.3			78
Total			₹	479	· 8.	7 4		53.6	5 254
						Ownted		OTO 1 2-4 PM	
						Quoted Prices w Active		ga f eint Orker wervable	9 ga Fçapî Udoberva bie
				There is		Prices in Active Markets	á	Orker servable (aputs	Unobservable Japaus
			<u></u>	Ţ6 <u>ral</u>		Prices u Active Markets (Level 1)	á.	Orker servable	Unobservable
Germany			<u></u>		<u> </u>	Prices u Active Markets (Level 1)	á	Orker servable (aputs	Unobservable Japaus
Germany Canade:			5 .	<u>Tersi</u> 223:1	s	Prices u Active Markets (Level 1)	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada;			5	223:1	s	Pr cez u Act ye Mariota (Level 1)	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada: Local currency equities			5	223.1 9.6		Pr cez u Act ye Marijene (Level 1) (In	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local turnency equities Foreign currency equities			5 .	223.1 9.4 23.3		Proces w Active Martines (Level 1) (In 9.6 23.3	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local currency equities Foreign currency equities Local currency fixed income			5	223.1 9.4 23.3 50.6		Proce w Active Martines (Level 1) (In 9.6 23.3 50.6	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local tarrency equities Foreign currency equities Local currency fixed income Global mutual fixed			5	223:1 9.4 23:3 50:6 6.8		Proces w Active Martines (Level 1) (In 9.6 23.3	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local currency equities Foreign currency equities Local currency fixed income Global mutual fixed Cash and other			5	223.1 9.4 23.3 50.6		Proce w Active Martines (Level 1) (In 9.6 23.3 50.6	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local terrency equities Foreign currency equities Local currency fixed income Clobal mutual food Cash and other			5	223.1 9.4 23.3 50.6 6.8 5		Proces w Act ye Marines (Level 1) (In 9.6 73.3 50.6 6.8	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local terrency equities Foreign currency equities Local currency fixed income Global mutual fluid Cash and other Norway: Local currency equities			5	223:1 9.4 23:3 50:6 6.8 5		Pr ces w Act ye Marines (Level 1) (In 9.6 73.3 50.6 6.8 5.	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local currency equities Foreign currency equities Local currency fixed income Global mutual fluid Cash and other Norway: Local currency equities Foreign currency equities			5	223.1 9.4 23.3 50.6 6.8 5 2.0 3.6		Pr ces w Act ye Marines (Level 1) (In 9.6 73.3 50.6 6.8 5.0 2.0 3.6	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local currency equities Foreign currency equities Local currency fixed income Clobal mutual fluid Cash and other Norway: Local currency equities Foreign currency equities Local ourrency fixed income			5	223.1 9.4 23.3 50.6 6.8 5 2.0 3.6 24.5		Pr ces w Act ye Marines (Level 1) (In 9.6 73.3 50.6 6.8 5 2.0 3.6 24.5	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 5)
Canada; Local currency equities Foreign currency equities Local currency fixed income Clobal mutual fluid Cash and other Norway: Local currency equities Foreign currency equities Local ounercy fixed income Foreign currency fixed income			5	223.1 9.4 23.3 50.6 6.8 5 2.0 3.6 24.5 4.7		Pr ces w Act ye Marines (Level 1) (In 9.6 73.3 50.6 6.8 5.0 2.0 3.6	oo njoose) Gi	Orker servable (aputs	Unobservable Japans (Level 3) \$ 223.7
Canada; Local carrency equities Foreign currency equities Local currency fixed income Clobal mutual fluid Cash and other Norway: Local currency equities Foreign currency equities Local ourrency fixed income Foreign currency fixed income Real estate			5	223.1 9.6 23.3 50.6 6.8 5 2.0 3.6 24.5 4.7 4.2		Pr ces w Act ye Marines (Level 1) (In 9.6 23.3 50.6 6.8 5 2.0 3.6 24.5 4.7	oo njoose) Gi	Orker servable (aputs	Unobservable fishers (Level 3) \$ 223.7
Canada; Local carrency equities Foreign currency equities Local currency fixed income Clobal mutual find Cash and other Norway: Local currency equities Foreign currency equities Local currency fixed income Foreign currency fixed income Real estate Cash and other			5	223:1 9.4 23:3 50:6 6.8 5 2.6 24:5 4.7 4.2		Pr ces w Act ye Marines (Level 1) (In 9.6 73.3 50.6 6.8 5 2.0 3.6 24.5	oo njoose) Gi	Orker wervable (apurs Level 2)	Unobservable Japans (Level 3) \$ 223.7
Canada; Local currency equities Foreign currency equities Local currency fixed income Clobal mutual fixed Cash and other Norway: Local currency equities Foreign currency equities Local currency fixed income Foreign currency fixed income Real estate Cash and other US CMRT	*		5	223.1 9.4 23.3 50.6 6.8 5 2.8 3.6 24.5 4.7 4.7 9		Pr ces w Act ye Marines (Level 1) (In 9.6 23.3 50.6 6.8 5 2.0 3.6 24.5 4.7	oo njoose) Gi	Orker servable (aputs	Unobservable Supply (Level 3) \$ 223.7
Canada; Local carrency equities Foreign currency equities Local currency fixed income Clobal mutual find Cash and other Norway: Local currency equities Foreign currency equities Local currency fixed income Foreign currency fixed income Real estate Cash and other			5	223:1 9.4 23:3 50:6 6.8 5 2.6 24:5 4.7 4.2		Pr ces w Act ye Marines (Level 1) (In 9.6 23.3 50.6 6.8 5 2.0 3.6 24.5 4.7	oo njoose) Gi	Orker wervable (apurs Level 2)	Unobservable fishers (Level 3) \$ 223.7

A rollforward of the change in fair value of Level 3 sesets follows

			y en rigadad. Pecember 41,				
			?d\$4 .	2015			
			(14, டைபில்	জু			
Pair value at beginning of year	 	5 .	26 5 5	254.1			
Gain on assole held at end of year			24 5	6.5			
Gain on assets sold during the year	 		• 3				
Assets purchased			69	13.7			
Assets sold			(1.5.2).	(11.4)			
Currency exchange rate fluctuations	 		(33.9)	(26,0)			
Fair value at end of year	 •	<u>s</u> .	254 S	236.2			

Postiativement benefits other than pensions (*OPER*). NL, Krones and Tremont provide certain health care and life insurance benefits for their eligible refired employees. We have no OPER plan assets, rather, we find benefit payments as they are paid At December 3, 20, 5, we expect to contribute the equivalent of approximately 3 million to all of our OPER plans during 20, 6 Benefit payments to OPER plan participants are expected to be the equivalent of

20 6		`	 \$	million.
20 7				million
20 8		· · ·		: 0 million
20 9				0 million
2020		 		9 million
Next 5 years				4 2 million

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

·	Ye	rzą poded i	Decamber 91	· ·
	265	4	503	9 .
		(Jo to	liots)	· .
Actuaria) present value of accumulated OPEB obligations:	٠.			
Obligations at beginning of the year	5	.5	S.	15,4
Service cost				. 1
Interest cost		. 6		.5
Actuarial less (gain)		- 4		(K)
Change in cutrency exchange rates		(6)		(1.2)
Benefits paid from supplayer contributions	· .	(_2)		(1.1)
Obligations at end of the year		.5.4	\$	12.9
Fair value of plan actors	<u> </u>	<u> </u>	<u> </u>	
Funded status .	\$	<u>(54</u>)	*	(12.9)
Agerued OPRB costs recognized in the Compolidated		· .		·
Balance Sheets:	•			:
Cumni	8 .	(3)	5	(1.1)
Noncurrent	·	(4)	<u> </u>	(11.3)
Tota ((54)		(12.9)
Accumulated other comprehensive income (loss):		- X		7
Net actuanal losses	•	32		2:4
Prior service credit		(06)	7	(0.6)
Total		(7.4)		(6.2)
Tetal	2	(22.6)	\$	(19.1)

The amounts shown in the table above for unrecognized actuarial losses and prior service credit at December 3, 20, 4 and 20, 5 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, not of deferred income taxes and noncontrolling interest, are now recognized in our accumulated other comprehensive loss at December 3, 20, 4 and 20, 5. We expect to recognize approximately \$, 8 million of prior service credit and \$, 2 million of unrecognized actuatial losses as components of our periodic OPEB cost in 20, 6. The table below details the changes in other comprehensive Income (loss) during 20, 3, 20, 4 and 20, 5. In the fourth quarter of 20, 3, we assumed the benefit formula for most Canadian participants of our plans effective January 10, 4, resulting in a outsilonant gain as of December 3, 20, 4 and 20, 5 now reflect these plan revisions to the benefit formula.

Changes in benefit obligations recognized in other comprehensive income (loss);
Net settarial gain (loss) arising during the year Plan imendments/ourtailment;
Amortization of unrecognized prior service credit
Total

	Ϋ́ε	am ende d De c	ember 31,		
	2013	2014		2015	
	·	(նռես Մա	(an)	·	
					٠ : .
Ş.	2.2	3	(4) 5	•	38
٠.	4 5`		(2)		٠.
	(2.4)		(2 0)		(1.9)
5	49	<u>*</u>	(3.6) '8	. :	(Ln)
		#	<u> </u>		<u> </u>

The components of our periodic OREB costs are presented in the table below. The amounts shows below for amoffestion of prior service credit and recognized actuarial losses for 20-3, 20-4 and 20-5 were recognized as components of our accumulated other comprehensive income (loss) at December 3, 20-2, 20-3 and 20-4, respectively, not of deferred income taxes and noncontrolling interest

Net periodic OPEB cost (credit):
Strylee cost
Microsa cost
Cartal ment gain
Amortization of unrecognized:
Prior service credit
Net actuarial loss
Total

	¥.	en're epule	d December 31,	
2813			2014	2015
7.		(ш	en Lous)	
S	3	2	. 6	
	(6) (8)		(2 <u>0)</u>	(1.9)
\$	(4)	S ·	(2) (5) §	(1.3)

0%

5.0%

Assummary of our key notrastial assumptions used to determine the net benefit obligations as of December 3, 20, 4 and 20, 5 fallows:

4
7.6
`5€
202
.34

Assumed health care cost mend rates affect the amounts we report for besith care plans. A one parteent change in assumed health care trend rates would not have a material affect on the not periodic OPPB cost for 20 5 or on the accumulated OPEB obligations at December 3 , 20 5

The weighted average discount rate used in determining the net periodic OPEB cost for 20.5 was 3.4% (the rate was 4.0% in 20.4 and 3.5% in 20.3). The weighted average rate was determined using the projected becefit obligations as of the beginning of each year: The impact of assumed increases in future compensation levels does not have a material effect on the net periodic OPEB cost as substantially all of such benefits relate solely to eligible retirees, for which compensation is not applicable. The impact of the assumed rate of return on plan assets also dues not have a assets at of December 3., 20.4 or 20.5.

Variances from acroanally assumed rates will result in additional increases or decreases in accumulated OPEB obligations, not periodic OPEB cost and funding requirements in future periods

Note 12 Income taxes:

		Years ended Becomber 31,			
		013		2014	2015
and the second s	. —		([= 1	a E Mary)	•
Pre tax income (loss):	F	27769 434			
United States Non-U-S subsidiaries		(70 4) (47 5)	\$	40 3 7 9	(38.5)
Total	<u>r.</u>	(2.79)	5	20	i (73.8
	: *	(2 (3)	Ф	<u> </u>	134
Expected an expense (boneff) a US lide al	š	(ne n		39.2	
shelutory income tax rate of 35%	9	(7,6.3)	38	(4.3	(2.5.8) .6
Non US tax rates Ingregants) net benefit on carnings (losses) of non US and US				(4-)	0
subsidiaries	,	(85)		(2.2)	(37.6)
Valuation allowance		(5 - 5)		(22)	159.0
US state income texes, net		(3 4)		4	(13
Adjustment to the reserve for uncertain tax positions, not		2		(3.7)	.3
Nondeducible expenses		29		28	. 3.0
Tax rate changes		(2)			
Other, net		(9)		(3.6)	(1.4)
Provision for income taxes (benefit)	\$	(9 0)	-8	32.5	97.3
Components of income tax expense (benefit):					
Currently payable (refundable):					
US federal and state	2	٥	5 .	10 10 74 13	7.6
Non US		(2)		52	. 3,3
Total	<u> </u>	79	· . · · ·	22.6	10.9
Deferred income taxes (benefit):					
U S federal and state		(57.9)		. · · 3/B	. (58.5
Non U.S		<u>(4 0)</u>		<u>ő</u> .	144.9
Total		(98 <u>9</u>)		99	86.4
Provision for income taxes (៦៩១៩៥៤)	\$	(9 0)	<u>s</u> .	32.5	\$ 97.3
Comprehensive provision for income taxes (benefit)		٠.			
allocablé to:				·	
Net income (loss)	S	(9 0)	\$	32.5	5 97.3
Other comprehensive income (loss):					
Marketable recurries		5.		(3)	(4.1
Currency translation	•	5.5		(69)	(173
Pension plans		4		(33.2)	431
OPEB plans		. 0		(2)	(A)
Interest rate swap	<u> </u>	75.5.74			(1.7
Total	\$:	(65 <u>3</u>)	Þ	(30)	\$ T7.9

The amount shown in the above table of our income fax rate reconciliation for non US tax rates represents the result determined by multiplying the pre-laz casnings or losses of each of our non US subsidiaries by the difference between the applicable statutory (accept as rate for each non US jurisdiction and the US federal statutory tax rate of 35%. The amount shown on such table for incremental net tax (benefit) on carnings and losses on non US companies and US subsidiaries includes, as applicable, (i) current income taxes (including withholding laxes, if applicable), If any, associated with any current year examings of our Chemicals Regments non US subsidiaries to the extent such current, year examings ware distributed to us in the current year. (ii) deferred income taxes (or deferred income tax benefits) associated with the current year change in the aggregate amount of undistributed earnings of our Chemicals Segment's Canadian subsidiary, which camings are not subject to a permanent reinvestment plan, in the bindow representing the current year change in the aggregate current income tax that would be generated (including withholding baxes, if applicable) when such aggregate undistributed earnings are distributed to us, (iii) current US income taxes (or current income tax feetefit), including US personal holding company tax, as applicable, attributable to climent year income (losses) of our of Kronos'

non US subsidiaries, which subsidiary is treated as a dual resident for US income tax purposes, to the extent the current year income (fusses) of such subsidiary is subject to US income tax under the US dual resident pervisions of the Internal Revenue Code, and (iv) certain and deferred income taxes associated with distributions and carnings from our investment in Land Well and BMI

The components of the net deferred tax liability at December 3, 20, 4 and 20, 5 are summarized below. See Flore 20,

	December 31,							
		2014			. 2074			
		Assets	Lab	Iter	A.840	id	l, sh	î (#F
				(la a 0	อหร)			
Tax effect of temporary differences related to:								
Înventories	S	5.4	\$	(5.2)	\$	3.7 \$		(3.7)
Marketable securities		1.0		(264)			. "	(98.2)
Property and equipment				(092)		•		(96.6)
Acomed OPEB come		4.8			· · ·	4.0		
Accrued gension costs		52.0				44.0		•
Currency revaluation on intercompany debt		56	,	4.2		18.6	1.	• •
Accroed environmental liabilities		388				39.9		
Other deductible differences		34.7.		:		45.7		٠.
Other taxable differences				(2 6)			•	(21.7)
Investments in subsidiaries and affiliates				(278.7)			٠. ٠	(238.8)
Tax on unremitted ramings of non US subsidiaries	•			(26)				(2.0)
Tax loss and tax credit carry forwards		63 6				154:3		7 - T
Valuation allowance		()				(1.68,9)		4
Adjusted prove defence use assets (liabilities)	-:-	3048	· .	(543.7)		. 141:3		(46(:0)
Necling of Items by tax jurisdiction		(43.9)		439		(140.0)		(140.0)
Net noncurrent deformed tax asset (liability)	: <u>\$</u>	60 9	\$	(399.8)	\$	1.3		(321.0)

Our acquisition of an additional ownership laterest in BMI in December 20-3, discussed in Note 3; increased our ownership interest in BMI from 32% to 63% As a result, effective December 3-, 20-3 we no longer account for our ownership interest in BMI by the equity method of accounting but tos ad BMI is a consolidated a helding P in a December 3-0-3 we according a defe ed income as liability to he excess of a bod basis over a tax basis of our investment in BMI at capital gains rates, because we did not have the shility to cantrol BMI and hence we could assume we would only realize such excess upon a disposition of our ownership interest in BMI. Upon gaining control of BMI in December 20-3, we now have the ability to control the means in which such excess would be realized, and accordingly the deferred tracture tax liability we now recognize for such excess is based on the assumption that we would realize such excess from dividend distributions from BMI (which are taxed at a lower rate, after considering the effect of the dividends received deduction.) Our income tax benefit in 2-3 includes an aggregate 5 million benefit (cisseified in the table above up part of our investment of such deferred income tax is built respect to our investment in BMI from capital gains cases at dividend received deduction isses, including the deferred income tax related to (i) the gain from the part acquired in December 20-3.

The authorities are examining censin of our US and non US tax returns and have or may propose tax deliciencies, including pensities and interest. Because of the inherent uncertainties involved in sentement initiatives and court and tax proceedings, we defined guarantee that these has matters will be resolved in our favor, and therefore our potential exposure, if any, is also uncertain. In 20 and 20.2 Knows received notices of reassessment know the Canadian federal and provincial tax nuthorities related to the years 2002 through 2004. We objected to the reassessments and believed the position was without men't. Accordingly, we appealed the re-assessments and in connection with such appeals we were required to post letters of credit aggregating. Cds 57.9 million (see Note-9). In 20.4, the Appeals Division of the Canadian Revenue Authority ruled in our favor and reversed in their entirety such notices of re-assessment. As a result, we encognized a non-cash income tax benefit of 53 of million related to the release of a point of our reserve for uncertain tax positions in 20.4, the recognized a non-cash income tax benefit of 53. million telested of a point of our reserve for uncertain tax positions in accordance of a point of our onestrineous tax benefit of 53. million telested to the release of a point of our reserve for uncertain tax positions with the completion of an audit of our US income tax return for 2009. We believe we have adequate accordals 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 anterial adverse effect on our consolidated financial position, results of operations or liquidity.

The following table shows the diangus in the amount of our uncertain tax, positions (exclusive of the effect of interest and penalties) during 20-3, 20-4 and 20-3;

	Yggirpi grided December 71,				
		2018	2014	2015	
: .		•	(նգ էր են մեջ)		
Unrecognized tax benefits:		٠.		•	
Amount beginning of year	S	33 4	\$ 479 \$	30,1	
Ret increase (decrease):			S		
Tax positions taken in prior periods		5	(96)	(4)	
Tax positions taken in current period		Э	3.6	6.4	
Lagse due to applicable statute of limitations		3 4	(7)	(6.0)	
Acquisition of BMI and LandWell					
Changes in currency exchange rates		(8)		(1.3)	
Amount at end of year	\$	47.9	5 30 S	28.8	

If our uncertain tax positions were recognized, a benefit of \$29.2 million, \$24.2 million and \$29.4 million at December 3., 20.3, 29.4 and 0 espec (vely we ld affec o effec ive income as see We c early er image has o st ecognized as benefit will decease by app eximally 6.6 million during the artificial twelve months due to the reversal of certain timing differences and the expiration of certain statutes of limits flows.

We file income tax returns in various US federal, state and local jurisdictions. We also file income tax returns in various loreign jurisdictions, principally in Germany, Canada, Belgium and Norwey Our US income tax returns prior to 20-2 are generally considered closed to extraination by applicable tax suchortiles Our foreign income tax returns are generally considered closed to examination for years prior to: 2006 for Norwey; 20-0 for Canada; 20 — for Germany; and 20-2 for Belgium

We accide interest and populaties on our uncertain tax positions as a component of our provision for income taxes. We accude interest and penalties of \$ 3 million during 20 5 and \$ 2 million during 20 4 and \$ 3 million during 20 5, and at December 3, 20 4 and 20 5 we had \$4 million and \$4 2 million, respectively, accuract for interest and so immeterial amount accuract for parallism for our uncertain tax positions.

Our Chemicals Segment has substantial rich operating loss ("NOL") carryforwards to Germany (the equivalent of \$683 million and \$96 million for German corporate and trade (ax purposes, tespectively, at December 3 , 20 5), and in Belgium (the equivalent of \$66 million for Belgium corporate and trade (ax purposes, tespectively, at December 3 , 20 5), and in Belgium (the equivalent of \$66 million for Belgium corporate tax purposes at December 3 , 20 5), all of which have an indefinite carryforward period. As a result, we have net deferred income tax assets recognized with respect to these two jurisdictions, primarily related to these NOL carryforwards. The German corporate tax is similar to the US federal income tax, and the German trade tax is similar to the US state income tax. Prior to Juste 30, 20 5, and using all available cyclome, we had concluded no defined income tax assets under the more likely then not recognition criteria, primarily because (i) the carryforwards have an indefinite carryforward period, (ii) we utilized a pontion of such carryforwards during the most recent three year period, and (iii) we expected to utilize the remainder of the carryforwards over the long term. We had also previously indicated that barts and circumstances could change, which might in the fitture result in the recognition of a valuation allowance against some or all of such deferred income tax assets. However, as of June 30, 20 5, and given our operating results during the second quarter of 20 5 and our expectations at that time for our operating results for the remainder of

20 5, we did not have sufficient positive evidence to overcome the significant negative evidence of having cumulative losses in the most recent twelve consecutive openers in both our German and Belgian jurisdictions at June 30, 20 3 (oven considering that the carryforward period of our German and Bolgium NOL carryforwards is indefinite, one piece of positive evidence). Accordingly, at June 30, 20. 5, we concluded that we were required to recognize a non cash defened income lax asset valuation allowance under the more likely than not recognition criteria with respect to our German and Belgian net deferred income fax assets. Such valuation allowance aggregated \$ 50.3 million at June 30, 20.5. We recognized an additional \$8.7 million non each deferred income tax valuation allowance under the more likely than not recognition criteria during the third and fourth quarters of 20 5, due to loases recognized by Komos' Comman and Bulgium operations during such period. In addition to the aggregate \$.59 0 million increase in the deferred income tax. asset valuation allowance recognized as part of the provision for income taxes in 20.5, the defenred income tax asset valuation allowance also increased by an aggregate of \$9 8 raillion in 20 5 due to amounts recognized in other comprehensive loss

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 casmidian under GAAP to avoid such recognition of deferred income saies is not available to us. There is a maximum smount (or cap) of such deferred income taxes we are required to recognize with respect to our direct investment in Kronos, and we previously reached such maximum amount in the fourth quarter of 20 0 Since that time and through March 3 , 20 5, we were not required to recognize any additional deferred income taxes with respect to our direct investment in Krones because the deferred income taxes associated with the excess of the financial reporting carrying amount over the income tax basis of our direct investment in Kronos common stock continued to be above such cap. However, at June 30, 20 5, the deferred income taxes associated with the excess of the financial reporting carrying amount over the income tax basis of our direct investment in Kronos common stock was, for the first time since the fourth quaner of 20 C, below such cap, in large part due to the net loss is ported by Kronos in the second quarter of 20 5. Accordingly, our provision for income taxes in 20 5 includes an aggregate non-cash income tax benefit of \$293 million, recognized in the second, third and fourth quarters of, 20 5, for the reduction in the deferred income taxes required to be recognized with respect to the expass of the financial reporting carrying amount over the income tax basis of our direct investment in Kronos common stock, to the extent such reduction related to our equity in Kronos' not loss. Such amount is included in the above table of our intume tax, rate reconciliation for incremental net bewellt on camings and losses on non US and US subsidiaries (in addition to the other items indicated above). Aportion of such reduction also related to our equity in Kronos' other comprehensive income (loss) items, and the amounts shown in the table above for income tax expense (benefit) allocated to other comprehensive income (loss) includes amounts related to our equity in Kronos' other comprehensive income (loss) items

Note 13 Noncontrolling interest in subsidiaries:

BMI LandWell

Total

		, .	December 31,		_
		2014	'	2015	
and the street of the street o			(lis of the etc)	<u> </u>	•
Nescontrolling interest in not sessite: Krones Worldwide NL ladustries Compx International BMI LandWell Total 2013 controlling interest in net income (loss) of subsidiaries: Krones Worldwide NL Industries	\$	z 0 s 544 44 3 7 248 3363 \$	147.9 39.5 15.3 31.6 23.9 258.3	; . ; ; . <u>!</u>	
		Yeam	endéd December :	31,	· .
Krones Worldwide NL Industries Compx International BMI LandWell Total Dilling interest in net income (loss) of subsidiaries: nos Worldwide Industries	20	13	2014	20	L5
			(in m k ous)		
	•	· .31	1.35		
Kronos Worldwide	8	(203) \$	92	5	(34.
NL Industries	٠	(9.4)	4 B		(4.
Coppo X International		. 8			L

(28.9)

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Note 14 Valhi stockholders' equity:

	. 56	ialies of costaminal states.	
	Lssifed	Treasury	Outstand up
		(bin at:0 atta)	
Balance at December 31, 2013, 2014 and 2015	355.1	(13,2)	342.0

Valhi authorized shares. Prior to 20-3, we amended our certificate of incorporation to increase the authorized number of shares of our common stock to 500 million.

We issued a nominal number of shares of Valid common stock during 20–3, 20–4 and 20–5, assembled with stimus stock awards to members of our board of directors

Valhi share repurchases and concellettons. Prior to 20-3, our board of directors authorized the repurchase of up to -0.0 million sbares of our common stock in open market transactions, including block purchases, or in privately negotiated transactions, which may include transactions with our affiliates or subsidiaries. We may purchase the stock from time to time as market conditions permit. The stock repurchase program does not include specific price targets or timetables and may be suspended at any time Depending on market conditions, we may terminate the program prior to completion. We will use easis on hand to acquire the shares Repurchased theres could be refined and cancelled or may be added to our treasury stock and used for employee benefit plans, future acquiritions or other corporate purposes. We did not make any such purchases under the plan in 30-3, 20-4 or 20-5

Treasury stock. The treasury stock we reported for financial reporting purposes at December 3, 20, 3, 20, 4 and 20, 5 represents bur proportional interest in the shares of our common stock held by NL and Kronus NL held approximately 44 million shares of our common stock at December 3, 20, 4 and 20, 5 At December 3, 20, 4 and 20, 5 Kronus held an aggregate of 7 million shares of our common stock. Under Delaware Corporation Law, 00% (and not the proportionale interest) of a parent company's shares held by a majority owned subsidiary of the parent is considered to be breasury stock for voting purposes. As a result, our common shares outstanding for financial reporting purposes differ from those outstanding for legal purposes.

Preferred stock. Our outstanding preferred stock consists of 5,000 shares of our Series A Preferred Stock having a liquidation preferred of \$ 33,466 75 per share, or an aggregate liquidation preferred of \$667 3 million. The outstanding shares of Series A Preferred Stock are field by Contran and represent all of the shares of Series A Preferred Stock we are authorized to issue. The preferred stock has a particular of \$0.0 per share and pays a non-cumulative dash dividend, at an annual rate of 6% of the aggregate liquidation preference only when authorized and declared by our board of directors. The shares of Series A Preferred Stock are non-convertible, and the shares do not carry any redemption or call features (either at our option or the option of the holder) A holder of the Series A shares does not have any voling rights, except in limited circumstances, and is not entitled to a preferential dividend right that is serior to our shares of common stock. Upon the liquidation, dissolution or winding up of our affairs, a holder of the Series A shares is existed to be paid a liquidation preference of \$ 33,466 75 per share, plus an amount (if any) equal to any declared but unpaid dividends, before any distribution of assets is made to holders of our common stock. Through December 3, 20,5, we have not declared any dividends on the Series A Preferred Stock since its issuance prior to 20,3.

Volkil long term incentive compansation plan. Prior to 20-3, our board of directors adopted a plan that provides for the award of stock to our board of directors, and up to a maximum of 200,000 shares could be awarded. Onder the plan, we awarded 5,000 shares in 20-3; 2,000 shares in 20-4 and 0,500 shares in 20-5, and at December 3-, 20-5-66,500 shares are available for future award under this new plan.

Stock plans of subsidiaries. Kronus, NL and CompX each maintain plans which provide for the award of their common stock to their board of directors At December 3, 20, 5, Kronus and NL each had 77,000 shares of compton stock evailable for future grant under its respective plan and CompX bad. 8,000 shares available for award.

Earnings per share. Basic carnings per share of common stock is based upon the weighted average number of our common shares actually outstanding during each period. Diluted earnings per share of common stock includes the impact of our outstanding dilutive stock options as well as the dilutive effect, if any, of diluted earnings per share reported by Kronos, NL or CompX. The dilutive effect of dilutive earnings per share for Kronos, NL and CompX in 20.3, 20.4 and 20.5 was not significant

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Accumulated other comprehensive income flors). Accumulated other comprehensive income (loss) attributable to Valhi stockholders comprises changes in equity as presented in the table below

	Years ended December 31,						
		2013		2014	2	015	
			(h	Lav Dato)			
Accumulated other comprehensive income (loss) (net of lax and				•		·.	
noncontrolling interest):							
Marketable securities:		_			_		
Balance at beginning of year		2	Ş	. 28	S .	1.6	
Other comprehensive income (linus):							
Unrealized leases arising during the year				(· D)			
Less reclassification adjustments for amounts		7		(2)			
included in realized loss (gain)	5	28	_	(2) 6		1.6	
Balance at end of year	<u> </u>		<u></u>		<u>s</u>	1.30	
Interest rate swap:	٠				_		
Balance at beginning of year	\$		5 ;	· ·.	•		
Other comprehensive loss:					1. 1.1.1	المكامد المارات	
Unrealized losses during the year		200		•		(1. 7)	
Less reclassification adjustments for ansounts							
included in inversel expense			_			<u>A</u>	
Balance at end of year	3		>	·········	3	(1.3)	
Currency translation::			:	.22			
Balance of beginning of year	3	533	\$	59 2	5	(22.6)	
Other comprehensive income (lust) arising during							
the year	_	59	-	(8 8)		(55.5)	
Balance at end of year	5	59.2	\$	(22.6)	\$	(78.1)	
Defined benefit pension plans:							
Balance at beginning of year.	8	(0 5)	\$	(76.5)	2	(132.0)	
Other comprehensive income (loss):							
Americation of prior service cost and net							
losses included in net periodic pension cost		84	٠.	6.3	٠.	6,7	
Not accurated gain (loss) arising during the year		26	:	(6 ;7)		2,3	
Plan cuttailment		40		ىيـــــــــــــــــــــــــــــــــــــ	<u> </u>		
Balance at end of year	<u>s</u>	(765)	3	(320)	<u>s</u>	(3.23/0)	
OPEB plans:							
Balance at beginning of year	2	. 4	5	6.5	S	44	
Other complehensive loss:		·					
Ansemization of prior service credit and net							
losses included in net periodic OPEB cost		(_4)		(, 3)		(1.0)	
Net actuated gain (loss) arising during the year		3		·. (8)		· " (44)	
Plan amendment		25					
Balance at end of year	S	65	3	• 44	\$.	.3.8	
Total accumulated other compachensive income (loss):							
Belance at beginning of year	5	(42 0)	9	(8.0)	\$	(148.6)	
Other comprehensive income (loss)		340		(40.6)		(48.4)	
Balance at end of year	5	(8.0)	.\$	(486)	5	(197,0)	
*							

See Note - for amounts related to our defined banefit pension plans and OPEB plans

Note 15 Other income, net:

		Eeses goded Detember 31,						
			2013		2014	201	5	
				(tn	m H ans)			
Securities earnings;				٠. ٠				
Dividends and interest		\$	264	.	26 6	\$	26.5	
Securities transactions, net	٠.		2		. 3			
Total .			26 6		26 9		26.5	
Equity in camings of investices	•	٠.	. 5					
Insurance recoveries			94		0.4		3,7	
Currency transactions, net			(8 E)	:	40		(1)	
Disposal of property and equipment, net			(5)		(9)		(.8)	
Gain on bargain purchase and temessurement of our exis-	ing			٠.	. :		· · .	
investment in acquiree			54.6	٠.				
Other, net			2		<u> </u>		2.7	
Total		\$	" ' \$8 0	\$.	42 0	\$	32.0	

Dividends and interest income includes distributions from The Ainsignment Sugar Company LLC of \$25.4 infiliton in each of 20-3, 20-4 and, 20-5 (see Note 4)

Insurance recoveries relate primarily to amounts NL received from vertains of its former insurance carriers, and relate primarily to the recovery of prior lead pigment and asbestor litigation defense costs incurred by us. We have agreements with four former insurance earriers parsuant to which the carriers reimburse us for a portion of our future schedule costs, and one such carrier reimburses us for a portion of our future schedule fittigation defense costs, and one such carrier reimburses us for a portion of our future schedule fittigation defense costs. We see not able to determine how much we will ultimately recover from these carriers for defense costs incurred by us because of corts in issues that arise regarding which defense costs qualify for primbursement. While we continue to seek additional manuscence recoveries for lead pigment and arbestos linguism matters, we do not know the extens to which we will be successful in obtaining additional missement for either defense costs in defense costs. The recoveries would be recognized when the receipt is probable and the amount is determinable. See Note. 7

Equity in earnings of investees relates to our investment in BMI and LandWell. The gain on hargain purchase and remeasurement of our existing investment in acquire relates to our acquisition of a controlling interest in BMI and LandWell. See Note 3

Note 16 Related party transactions:

We may be deemed to be controlled by Ms. Simmons and Ms. Connelly. See Note. 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, Ivana, options, advances of funds on open account, and sales, teases and exchanges of assets, including securities issued by both related and norelated parties and (b) common investment and acquisition strategies, businessy combinations, recognitizations, recognitizations, securities repurchases, and purchases and sales (and other acquisitions and dispositions) of subditiates, 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 not management of the type described shows are planted, or proposed with respect to us other than as set forth in these financial statements, we continuously consider, review and evaluate, and understand that Comman and related entitles consider, review and evaluate such transactions. Depending upon the business, tax and other objectives their relevant, it is possible that we might be a parry to one or more such transactions in the future.

From time to time, we may have loans and advances outstanding between us and various related parties, including Contran, pursuant to term and demand notes. We generally enter into these loans and advances for cash management purposes. When we loan funds to related parties, we are generally able to earn a higher rate of return on the loan than we would earn if we invested the funds in other instruments. While certain of these loans may be of a lesser credit quality than each equivalent insumments otherwise available to us, we believe we have evaluated the credit risks involved and appropriately reflect 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. See Note 9 for more information on the Valhi and Kronos credit facilities with Contran. We paid Contran \$ 9.0 million, \$ 0 million and \$ 0.3 million in interest on borrowings under credit facilities in 20.3, 20.4 and 20.5, respectively.

A subsidiary of Contran has guaranteed (i) WCS's obligation under its financing capital lease with the County of Andrews, Texas discussed in Note 9, (ii) Tremont's obligation under its 3-7 million promissory note payable discussed in Notes 3 and 9 and (iii) Tremont's 38 8 million (3 million face value) defented payment obligation discussed in Notes 3 and 0. The guaranty obligation would only arise upon our failure to make any required repsyments. We currently do not expect such Contran subsidiary will be required to perform under such guarantees for the foreseeable future.

Under the terms of various intercorporate services agreements ("ISAs") we enter into with Contran, employees of Contran provide us corrain management, tax planning, financial and administrative services 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 all of our subsidiaries, 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 and approved by the independent members of the applicable board of directors aggregated. \$36 million in 20.3, \$33.4 million in 20.4 and \$35.8 million in 20.5. These agreements are renewed annually, and we expect to pay a net amount of \$36.5 million under the ISAs during 20.6

We had an aggregate 20 million shares at December 3, 20, 4 and 3, 2 million shares at December 3, 20, 5 of our Kronos common stock pledged as collateral for certain debt obligations of Contran. We receive a fee from Contran for pledging these Kronos shares, determined by a formula based on the market value of the shares pledged. We received \$ 8 million in 20, 3, \$ 9 million in 20, 4 and \$ 8 million in 20, 5 from Contran for this pledge.

Our subsidiaries Tall Pines Insurance Company and BWI RE, Inc. provide for or broker cenain insurance or reinsurance policies for Contran and certain of its subsidiaries and affiliates, including us Tall Pines purchases reinsurance for substantially all of the risks it underwrites from third party insurance carriers with an AM Best Company rating of generally at least A (Excellent) 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 to us. We received cash payments for insurance premiums from Contran and certain other affiliates not members of our consolidated financial reporting group of 35.7 million in each of 20.3 and 20.4 and \$5.4 million in 20.5. These amounts also include payments to insurers or reinsurers through RWI for the reimbursement of claims within our applicable deductible or recention ranges that such insurers or reinsurers paid to third parties on our behalf, as well as amounts for claims and risk management services and various other third party fees and expenses incurred by the program. We expect these relationships with Tall Pines and BWI will continue in 20.6

With respect to certain of such jointly owned policies, it is possible that unusually large losses incurred by one or more insureds during a given policy period could leave the other participating companies without adequate coverage under that policy for the balance of the policy period. As a result, Contran and certain of its subsidieries 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.

Compan and certain of its subsidiaries, including us, participate in a combined information technology data recovery program that Contran provides from a data recovery center that it established. Porsuant to the program, Contran and certain of its subsidiaries, including us, as a group share information technology data recovery services. The program apportions its costs among the participating companies. We paid Contran \$ 86,000 in 20-3, \$243,000 in 20-4 and \$298,000 in 20-5 for such services. We expect that this relationship with Contran will continue in 20-6

WCS is required to provide certain financial assurances to the Texas government agencies with respect to certain decommissioning obligations related to our facility in West Texas. See Note. 7. Such financial assurances may be provided by various means. We and certain of our affiliates have provided or assisted WCS with providing such financial assurance, as specified below Upon completing the pending sale of WCS to Rockwell discussed in Note 3, we and curvaffiliates would no longer be required to provide or assist with such financial assurance.

- During 20-3, 20-4 and 20-5, a subsidiary of Contran guaranteed cortain of WCS specified decommissioning obligations as it relates to
 its LLRW treatment and storage facility and RCRA periods, currently estimated at \$3.9 million. Such Contran subsidiary was eligible to
 provide this guarantee because it met certain specified financial tests. The obligations would arise only upon a closure of our West Texas
 facility and our failure to perform the required decommissioning activities. We do not currently expect that such subsidiary will be
 required to perform under such guarantee for the foreseeable future.
- During 20 3, 20 4 and 20 5, Contran issued a letter of oradit ("LOC") under its bank credit facility to the state of Texas related to specified decommissioning obligations associated with our byproduct facility. At December 3, 20 5, the amount of such LOC was \$6 million. The LOC would only be drawn down upon the closure of our byproduct facility and our failure to perform the required decommissioning activities. We do not currently expect that the LOC will have to be drawn down for the foreseeable future. We reimbursed Contran for costs related to the LOC of \$5 million in each of 20 3, 20 4 and 20 5.
- Prior to 20 3, we, certain of our subsidiaries, Contran and certain subsidiaries of Contran guaranteed WCS' obligations under the surery bond (currently valued at \$879 million) discussed in Note 7. The obligations would arise upon our failue to make the required quarterly payments into the surery bond must discussed in Note 7. We do not currently expect that we, certain of our subsidiaries. Contran and such certain Contran subsidiaries will be required to perform under such guarantee for the foreseeable future.

Receivables from and payables to affiliates are summarized in the table below

				December 31,				
					2014		2019	
					(In m	Баньў:		
Current receivables from affiliates:				٠.			٠.٠	·
Louisiana Pigment Company, L. P.				8	3.0	3		
Contrata:						٠.		
Trade liems					2			.2
Income taxes					92	٠.		7.6
Other					5			2.5
Total		:		S	23 9	5		10.3
Current payables to similates:								
Louisiana Pigment Company, L.P.	· .·			· \$	99	\$	•	19.4
Contract trade items			",		26			26.1
Total	. :	· · · ·		\$.	46.0	\$		45.5
Payables to affiliate included in long ten	m debt:							
Vallit Contran credit facility				<u> </u>	223 7	\$		163.8

Amounts payable to LPC are generally for the purchase of TiO2, while amounts receivable from LPC are generally from the sale of TiO2 feedstock. See Note 7 Purchases of TiO2 from LPC were \$224.5 million in 20.3, \$93. million in 20.4 and \$76.5 million in 20.5. Sales of feedstock to LPC were \$4. million in 20.3, \$98.4 million in 20.4 and \$80.6 million in 20.5. Substantially all of the Contran made payables relates to the ISA fees charged to WCS by Contran, which ISA fees had not been paid by WCS to Contran for 20.2 and prior years. Any amounts WCS owes to Contran and only other affiliates would be contributed to WCS impactistely prior to the completion of the pending sale of WCS to Rockwell and included in the calculation of gain or loss on the sate discussed in Note 3.

Note 17 Commitments and contingencies:

Lead pigment litigation NL

NL's former operations included the manufacture of lead pigments for use in paint and lead based paint. NL, 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 scoking 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, adding and abetting, enterprise fliability, 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.

NL believes that these actions are without ment, and NL intends to continue to deny all allegations of wrongdoing and liability and to defend against all actions vigorously NL does not believe it is probable that it has incurred any liability with respect to all of the lead pigment litigation cases to which NL is a party, and liability to us that may result, if any, in this regard cannot be reasonably estimated, because:

- NL has never settled any of the market share, intentional tent, fraud, nuisance, supplier negligence, breach of warranty, conspiracy, misrepresentation, aiding and shetting, enterprise liability, or statutory cases.
- no final, non appealable adverse verdicts have ever been entered against NL, and
- NL has never ultimately been found liable with respect to any such litigation matters, including over 00 cases over a twenty year period for which NL was previously a party and for which NL has been dismissed without any finding of liability

Accordingly, neither we not NL have accound any amounts for any of the pending lead pigment and lead based paint litigation cases filed by or on behalf of states, counties, cities or their public housing authorities and school districts, or those asserted as class actions. 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 NL was served with a complaint in County of Santa Clara v. Atlantic Richfield Company, et al. (Superior Court of the State of Celifornia, County of Santa Clara, Case No 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 would 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 reinstance public autisance, negligence, strict liability, and fraud claims in March 2006. A fourth amended complaint was filed in March 20—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 jurisdictions and sought its abatement. In July and August 20—3, the case was tried. In January 20—4, the Judge issued a judgment finding NL. The Sherwin Williams Company and ConAgra Groccy Products Company jointly and severally liable for the abatement of lead paint in pre—980 homes, and ordered the defendants to pay an aggregate 8—5 billion to the people of the State of California to fund such abatement. In February 20—4, NL filed a motion for a new trial, and in March 20—4 the court denied the motion. Subsequently in March 20—4, NL filed a notice of appeal with the Sixth District Court of Appeal for the State of California and the appeal is proceeding with the appellate court. NL believes that this judgment is inconsistent with California law and is unsupported by t

The Santa Clara case is unusual 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 evertured on appeal). We have concluded that the likelihood of a loss in this case has not reached a standard of "pmbable" 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, (ii) the uniqueness of the Santa Clara verdict [i e no final, non appealable verdicts have ever been rendered against NL, 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 (in 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 logal proceeding, there is no assurance that any appeal would be successful, and it is reasonably possible, based on the outcome of the appeals process, that NL may in the future incor some liability resulting in the recognition of a loss contingency accusal that could have a material adverse impact on our results of operations, financial position and liquidity

New cases may continue to be filed against NL. 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 anatters, 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 accural 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 enablishment of compliance programs. It is possible that future developments, such as stricter requirements of environmental laws and enforcement policies, could adversely affect our production, hendling, use, starsge, 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 NL's 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 prodecessors, 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 Alchough 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 occasionally named as a party in 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 thom,
- solvenoy of other PRPs,

- multiplicity of possible solutions,
- number of years of investigatory, reinedial and monitoring activity required,
- uncertainty over the extent, if any, to which our former operations might have contificated to the conditions allegedly giving rise to such
 personal in jury, 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 savinsamental laws or regulations, new developments or shanges regarding site cleanup costs or the allocation of costs among PRPs, solvency of other PRPs, the results of future testing and analysis undertakent 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 vites 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, respits of operations and liquidity.

We record liabilities related to environmental remediation and related matters (including costs associated with damages for personal injury or property damage and/or damages for injury to natural resources) 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 3, 20, 4 and 20, 5, receivables for recoveries were not significant.

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 he time depends on factors outside of our control. At each balance sheet date, we estimate the actount 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 fiability.

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

	Years ended Decombor 31,					
		3013		2014	3	ÜLS
			(le	inter () (alternative)		
Halance at the beginning of the year	:\$	50.2	5	22.7	\$.	118.5
Additions charged to expense, net	-	690		466		5.7
Acquired		7.0				
Payments, not		(3.4)		(,30).		(3:5)
Changes in currency exchange rates and other		\sim \sim		2.2		(٤)
Balance at the end of the year	5	22.7	S	. 8.5	\$	120.≰
Amounts recognised in our Consolidated Balance Sheet at the		·	, **.	·: ,	7 7 7	
end of the year.		٠.	le	0.2		11.7
Current liabilities	a,	9	.3		₽.	
Biogenment liabilities		3.5	- *:	.08:3		10 <u>8.7</u>
Total	5	22.7	5	. 8.5	\$	120.4

AL On a quarrerly basis, ML evaluates the potential range of its liability for environmental remediation and related costs at sites where it has been named as a PRP or defendant at December 3, 20, 5, ML had account approximately 5. 3 million related to approximately 42 sites associated with numediation and related matters that it believes are at the present time and/or in their current phase reasonably estimable. The upper end of the range of reasonably possible costs to ML for remediation and related matters for which we believe it is possible to estimate costs is approximately \$ 66 million, including the amount currently accrued

NL believes that it is not reasonably possible to estimate the range of costs for certain sites. At December 3, 20, 5, there were approximately 5 sites for which NL is not currently able to estimate a range of costs. For these sites, generally the investigation is in the early stages, and NL is unable to determine whether or not NL actually had any association with the site, the nature of its responsibility, if any, for the contamination at the site and the extent of contamination at and cost to temediate 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, NL has received general and special notices of liability from the EPA and/or state agencies alleging that NL, 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 NL, along with any other alleged PRPs, are liable for past and/or future clean up costs. At 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 exemples. Any such adjustment, could regult in the recognition of an accural that would have a material effect on our consolidated financial statements, results of operations and liquidity.

WCS Biffective December 20-5, WCS entered an Agreed Order with the TCEQ with regard to the disposition of centain US Department of Energy ("DOE") waste currently stored at the WCS facility WCS entered into the Agreed Order as the licensee of the storage facility, and DOB entered into a similar order with the TCEQ as the owner of the waste. WCS asserts that the alleged violations set forth in the orders are due to the acts and omissions of DOE and its contractor. WCS expects to work with TCEQ and DOE to develop a compliance plan regarding the stored waste. While the cost of the compliance plan is not currently estimable, the amount of such compliance could be material. On October 2., 20-5 the US Nuclear Regulatory Commission ("NRC") Office of Investigations commenced an investigation of WCS's handling of the DOE waste described above. WCS is accoperating fully, and no formal demands or claims have been asserted by the NRC WCS believes the DOE or its contractor is required to reimburse. WCS for its cost to comply with the Agreed Order and the NRC investigation under the terms of the storage contract and pursuant to law, and as such we believe the cost of compliance with the Agreed Order and the NRC investigation should not have a material effect on our consolidated financial condition, results of operations or liquidity

Other We have also accrued approximately \$7.4 million at December 3 , 20 5 for other environmental cleanup matters. This accrued is near the upper end of the range of our estimate of reasonably possible costs for such matters.

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 three 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 capters 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 January 20, 4, NL was 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. 4/650, 03). The plaintiff, a former insurance camer 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 20 4, NL was 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: 4 CV 259924) In January 20 5, an Order of Deposit Under CCP § 572 was entered by the trial court

Other litigation

ML NL has 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 NL. There are 02 of these types of cases pending, involving a total of approximately 588 plaintiffs. In addition, the claims of approximately 8,692 plaintiffs have been administratively dismissed or placed on the inactive docket in Ohio cours. 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 titigation 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 tiquidity. We have sought and will continue to vigorously seek, dismissal and/or a finding of no liability from each claim. In addition, from time, we have received notices regarding ashestos 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

Kronos In 20-3 Kronos entered into a settlement agreement with the class plaintiffs in the consolidated complaint. Haley Paint of all v B1 Du Poot de Nemours and Company, et al. (United States District Court, for the District of Maryland, Case No : 0 ev 003-8 RDB). Without admitting any fault or wrongdoing, Kronos agreed to pay an aggregate of \$35 million (which was paid in 20-4), and Kronos and the other defendants have been dismissed with prejudice from this matter. Selling, general and administrative expenses in 20-3 includes a \$35 million charge related to this settlement.

In March 20-3, Kroups was served with the complaint, Los Gatos Mercantile, Inc. d/b/a Los Gatos Ace Hardware, et al. v. F1 Du Pont de Nemours and Company, et al. (United States District Court, for the Northern District of California, Case No. 3: 3 ev 0. 80 SI). The defendants include us, E1 Du Pont de Nemours & Company, Huntsman International LLC and Millenoium Inorganic Chemicals, Inc. As amended by plaintiffs' second amended complaint, plaintiffs seek to represent a class consisting of indirect purchasets of titanium dioxide in the states of Arizona, Artausas, California, the District of Columbia, Florida, Kansas, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Haurpshire, New Mexico, New York, North Carolina, Oregon, South Carolina, Tennessee and Wisconsin that indirectly purchased titanium dioxide from one or more of the defendants on or after March. 2002. The complaint alleges that the defendants conspired and combined to fix, raise, maintain, and stabilize the price at which titanium dioxide was sold in the United Scates and engaged in other anticompetitive conduct. The case is now proceeding in the trial count. We believe the action is without medit, will deny all allegations of wrongdoing and liability and intend to defend against the action vigorously. Based on our quarterly status evaluation of this case, we have determined that it is not reasonably possible that a loss has been incurted in this case.

In November 20-3, Kronos was served with the complaint, The Valspar Corporation, et al. v. B.I. Du Pont de Nemours and Company, et al. (United States District Court, for the District of Minnesota, Case No. : 3 ev 032.4 RHK L. B.) The defendants include us. B.I. Du Pont de Nemours & Company, Huntsman International LLC, Millennium Inorganic Chemicals, Inc. and the National Titanium Dioxide Company Limited (d/b/a Cristal). The plaintiff opted out of the settlement in the original lawsuit, Haley Paint et al. v. B.I. Du Pont de Nemours and Company, et al. (United States District Court, for the District of Maryland, Case No. : 0 ev 003.8 RDB) and filled its own lawsuit against the defendant. The complaint alleged that the defendants conspired and combined to fix, raise, maintain, and stabilize the price at which titanium dioxide was sold in the United States and engaged in other anticompetitive conduct. In October 20.4, the court granted our motion to transfer, and the case is now proceeding in the trial ocur in the United States District Court for the Southern District of Texas, Case No. 4: 4 ev 0. 30. The trial in this case is currently set to commence in September 20.6. We believe the action is without merit, will deay all allegations of wrongdoing and liability and intend to defend against the action vigorously. Based on our quarterly status evaluation of the case, we have determined that while it is reasonably possible (but not probable) that a loss has been incurred in this case, we do not believe the amount of such loss will be material to our consolidated financial condition, results of operations or liquidity.

WCS Previously, the Lone Star Chapter of the Sierra Club filed various fawarits in Texas District Court against the Texas Commission on Environmental Quality ("TCEQ") WCS intervened in these lawsuits These lawsuits challenged WCS' by product and low level radioactive waste disposal licenses. Subsequently, the District Court upheld the TCEQ's determination that the Sierra Club lacked standing to pursue a challenge to the by product disposal license. The Sierra Club appealed WCS' by product disposal license remained in effect pending resolution of the appeal. On April 4, 20–4, the Third District of the Texas Court of Appeals in Austin upheld the District Court's ruling in favor of the TCEQ and WCS. On December 30, 20–4 the Third District of the Texas Court of Appeals issued a new opinion again upholding the District Court's ruling in favor of the TCEQ and WCS. On Pebruary 3, 20–5, the Third District of the Texas Court of Appeals denied the Siems Club's motion for reheating on bane. Siems Club petitioned for discretionary relief from the Texas Supreme Court on March 30, 20–5. In October 20–5 the Texas Supreme Court denied Siems Club's petition. All appeals have been exhausted and the matter is concluded.

In May 20 2, the same District Court subsequently held that TCEQ erred in denying the Sierra Club's request for an administrative contested case hearing regarding the low level radioactive waste disposal license, and ordered the TCEQ to undertake a contested case hearing in which the Sierra Club could participate Shortly thereafter, both the TCEQ and WCS appealed the District Court's order with respect to the low level radioactive waste disposal license. Because of the appeal, the District Court's order was suspended WCS' low level radioactive waste disposal license remained in effect pending resolution of the appeal On April 8, 20 4, the Third District of the Texas Court of Appeals in Austin reversed the District Court's ruling and rendered judgment in favor of TCEQ and WCS On December 30, 20 4, the Third District of the Texas Court of Appeals issued a new opinion, again reversing the District Court's ruling and rendering judgment in favor of the TCEQ and WCS On February 7, 20 5, the Third District of the Texas Court of Appeals denied the Sierra Club's motion for rehearing en bane. Sierra Club petitioned for discretionary relief from the Texas Supreme Court on April 3, 20 5. In October 20 5, the Texas Supreme Court denied Sierra Club's petition. All appeals have been exhausted and the matter is concluded.

On February 0, 20 5, WCS competitor EnergySolutions LLC ("EnergySolutions") threatened to bring a civil action against WCS related to WCS's decision to not enter into a contract with EnergySolutions to dispose of low level radioactive waste ("LLRW") and other matters. On February 8, 20 5, WCS filed suit against EnergySolutions in the 09 b District Court of Andrews County, Texas (Cause No. 9,785), seeking a declaratory judgment that WCS has no obligation to contract with EnergySolutions and that WCS has the right to inform its current and potential customers that it will not enter into that contract On March. 3, 20 5, EnergySolutions removed the WCS action to federal court and assented a counterclaim against WCS under Section 2 of the Sheonan Antirust Act alleging anticompetitive conduct in the LLRW disposal market. This case is now captioned Energy Solutions, LLC, Plaintiff and Counter Defendant vs. Waste Control Specialists LLC, Defendant and Counter Plaintiff (United States District Court for the Western District of Texas, Civil and WCS moved to dismiss EnergySolutions counterclaim because it fails to state a claim upon which relief can be granted. On August. 9, 20 5, the court denied WCS' motion for remand. In connection with the proposed sale of WCS to Rockwell discussed in Note 3, on November 20, 20 5 the case was dismissed by joint request.

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

We currently believe that the disposition of all of these various other 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 accurals already provided

Other matters

Concentrations of credit risk. Sales of TiO2 accounted for approximately 90% of our Chemicals Segment's sales in each of 20-3, 20-4 and 20-5. The remaining sales result from the mining and sale of ilmenite one (a risk material used in the sulfate pigment production process), and the monufacture and sale of from based water treatment chemicals and cenain literity chemical products (derived from ac products of the TiO2 production processes). TiO2 is generally sold to the paint, plastics and paper industries. Such markets are generally considered "quality of life" markets whose demand for TiO2 is influenced by the relative communic well being of the various geographic regions. Our Chemicals Segment selfs TiO2 to over 4,000 customers, with the top ten customers approximating 34% of our Chemicals Segment's net sales in 20-3 and 20-5 and 35% in 20-4. In each of 20-3, 20-4 and 20-5, one customer, Behr Process Corporation, accounted for approximately. Ow of our Chemicals Segment's net sales. The table below shows the approximate percentage of our TiO2 sales by volume for our significant markets, Europe and North America, for the last three years.

	2013	2014	Z015
Europe	499	50%	52%
Worth America	33%	33%	29%

Our Component Products Segment's products are sold primarily in North America to original equipment manufacturers. The ten largest constoners related to our Component Product's Segment accounted for approximately 42% of sales in 20-3, 47% in 20-4, and 48% in 20-5. United States Postal States(e. a customer of the security products reporting unit, accounted for approximately -3% of the Component Products Segment's total sales in 50th-20-4 and 20-5. Harley Davidson, also a customer of the sacility products reporting unit, accounted for approximately -2% in each of 20-3, 20-4 and 20-5.

Our Weste Management Segment's revenues consist of storage and disposal fees at our feetility heads in Addiews County, Tenes During 20-3 we had sales to those customers that each exceeded 0% of our Waste Management, Segment's our astes: Tennasses Valley Authority (30%), Studsvik, Inc. (5%) and the DOE (0%) During 20-4 we had sales to two customers that each exceed 0% of our Waste Management Segment's total sales; Zion Solutions (8%), and Sectamento Municipal Utility Dispriot (23%) During 20-5 we had sales to five customers that each exceed 0% of our Waste Management Segment's total sales; Exclon Generation (9%), U.S. Department of Energy (6%), Nuclear Waste Partnership (2%), Arizona Public Service (2%), and Zion Solutions (8%).

Our Real Estate Management and Development Segment's revenues are land sales income and water and electric delivery fees. During 20-4 we had sales to four customers that each exceeded. 0% of our Real Estate Management and Development Segment's net sales: Greystone Nevada (21%), Woodside Homes of Nevada (25%), and Richmond Homes of Novada (20%) all relate to land sales; the City of Headerson (-2%) relates to our water delivery services. During 10-5 we had sales to four customers that each exceeded. 0% of our Real Estate Management and Development Segment's net sales: Richmond Homes of Nevada (27%), LV East Gibson, LLC (-7%), and Prologis, LP (-%) are all relate to land sales; the City of Headerson (-5%) relates to our water delivery services.

Long-term contracts. Our Chemicals Segment has long term supply contracts that provide for certain of our TiOs feedstack requirements through 20.9. The agreements require Krones to purchase certain minimum quantities of feedstock with minimum quarchase commitments aggregating approximately \$865 million over the life of the contracts in years subsequent to December 3., 20.5 in addition, our Chemicals Segment has other long term supply and service contracts that provide for various now materials and services. These agreements require Krones to purchase centain minimum quantities or services with religious purchase commitments aggregating approximately \$1.47 million at December 3., 20.5

Our Chemicals Segment's principal German operating subsidiary leases the land under its Leverkusen TiO2 production facility pursuant to a lease with Bayer AG (hat expires in 2050 The Leverkusen facility itself, which our Chemicals Segment owns and which represents approximately one third of its current TiO2 production expacks, is located within Bayer's extensive manufacturing complex. Knones petiodically astablishes the amount of root for the land lease associated with the Leverkusen facility by agreement with Bayer for periods of at least two years at a time. The flease agreement provides for no formula, index or other mechanism to determine changes in the root for such lend lease; rather any change in the root is subject solely to periodic negotiation between Bayer and Knones. We recognize any change in the rent based on such negotiations as part of lease expense attaining the time such change is agreed upon by both parties, as any such change in the rent based on such negotiations and of GAAP Under the ferms of a master supply and services agreements an appoint owned subsidiary of Bayer provides raw materials, including chlorine, suxiliary and operating materials, utilities and services agreements an appoint owned subsidiary of Bayer provides raw materials, including chlorine, suxiliary and operating materials, utilities and services agreements to operate the Leverkusen facility. This agreement, as amended, expires in 20-7 and will automatically renew for successive three year terms until terminated by either pany upon one year's prior hother.

We also lease various other communicativing facilities and equipment Some of the leases contain putchase and/or various term monewal options at lair market and fair reintal values, respectively in most cases we expect that, in the normal course of business, such leases will be renewed or replaced by other leases. Net rent expense approximated \$ 5.8 million in 20 3, \$ 66 million in 20 4 and \$ 6 million in 20 5. At December 3 , 20 5, future minimum payments under non-exacellable operating leases having an initial or remaining term of more than one year were as follows:

Years end ag December	31,	Amorin; (la ia li otis)
20 6		¥ îia
20 7 20 7		8-2 5.1
20 g 20 g 2020 and theseafter		4.4 3.4 23.6
Total ()		\$ 56.3

() Approximately \$ 4 million of the 5563 million aggregate future minimum rental continuous at Becomber 3, 20, 5 relates to Kronos' Leverkusen facility lease discussed above. The minimum commitment amounts for such lease included in the table above for such year through the 2050-expiration of the lease are based upon the current annual rental rate as of December 3, 20, 5. As discussed above, any change in the rent is based solely on negotiations between Bayer and Kronos, and any such change in the rent is deemed "contingent rentals" under GAAP which is excluded from the future minimum lease payments disclosed above.

Income taxes Prior to 20 3, NL made certain pro rata distributions to its stockholders to the form of shares of knows common stock All of NL's distributions of Kronos common stock were taxable (o NL and NL recognized a taxable gain equal to the difference between the fair market value of the Kronos shares distributed on the various dates of distribution and NL's adjusted tax basis in the shares at the dates of distribution NL transferred shares of Kronos common stock to us in satisfaction of the tax liability related to NL's gain on the transfer or distribution of these shares of Kronos common stock and the tax liability generated from the use of Kronos shares to settle the tax liability to date, we have not paid the liability to Contran because Contran has not paid the liability to the applicable fax authority. The income tax liability will become payable to Contran, and by Contran to the applicable tax authority, when the shares of Kronos transferred or distributed by NL to us are sold or otherwise transferred outside the Contran Tax Group or in the syear of certain restructuring transactions involving us. We have recognized defined income taxes for our investment in Kronos common stock.

We are a party to a tax sharing agreement with Contran providing for the allocation of tax liabilities and tax payments as described in Note. 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. Contran 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 sharing agreement.

Financial assurance areoctated with Waste Management Segment Our Waste Management Segment is required to provide certain financial assurances to the Texus government agencies with respect to the decommissioning obligations related to the its facility in Wast Texus. We and certain of our affiliates have provided or asplated as in providing such financial assurances, see Note. 6 Other matters related to the financial assurance associated with our LLRW disposal facilities are discussed below:

A portion of WCS' required financial assurance associated with its LLRW disposal facilities is in the form of a surety bond issued by a third party insurance company on its behalf for the benefit of the state of Texas. The value of the surety bond was \$32.2 million in December 20.3 As part of such surety bond. WCS is required to make quartedy cash payments into a collateral trust of 2.5% of the total value of the bonds which commonced in the fourth quarter of 20. In April 20.4, WCS obtained a further increase in the surety bond from \$32.2 million to \$85.3 million. As part of the increase in the surety bond, in April 20.4, WCS paid as aggregate of \$2.0 million into the first collateral trust. Similar to the \$32.2 million surety bond, WCS is still required to make quartedy cash payments into the first collateral trust. Similar to the \$32.2 million surety bond, WCS is still required to make quartedy cash payments into the first collateral trust surfficient such that the aggregate amount of such payments funded into the collateral trust would equal 50% of the total value of the new bond by April 202. Such as we quartedly cash payments are equal to approximately \$.3 million and began in the third quarter of 20.4. At December 3., 20.5, we had made payments totaling \$.6 million find this collateral trust (including a sure time \$2.0 million payment made in April 20.4), which is reflected as part of our noncurrent matriced cash on our Consolidated Balance. Sheet

- As additional surery for its LLRW disposal facility, WCS had also been required to make cash payments into a second collateral trust annually in November of each of 20-2 through 20-6, and such payments aggregated \$-80 million at March 3-.20-4 to April 20-4, concurrent with WCS obtaining an increase in the surery bond from \$32.2 million to \$85.3 million as discussed above, in return the Texas government agency agreed to the release of the \$-20 million which WCS had previously paid into the second collateral trust. WCS received such \$-8.0 million in April 20-4.
- Visible previously pledged certain of our marketable securities as collisteral for the stage of Texas related to specified decommissioning, obligations associated with WCS LLRW disposal facilities. In September 20. 4, concurrent with a reduction in the amount of required francial assurance, the state of Texas released these marketable securities to us and they are no longer pledged as collisteral to the state of Texas.

Owner Participation Agreement of Real Estate Management and Development Segment

Linder an Owner Participation Agreement ("OPA")
entered into by LandWell with the Redevelopment Agancy of the City of Henderson, Nevada, if LandWell develops centain real property for commercial and residential purposes in a master planned community in Henderson, Nevada, the cost of centain public infrastructure may be reimbursed to us through tax increment. The maximum reimbursement under the OPA is \$209 million, and is subject to, among other things, completing construction of approved qualifying public infrastructure, transferring title of such infrastructure to the City of Headerson, receiving approval from the Redevelopment Agancy of the funds expended to be eligible for tax increment reimbursement and the existence of a sufficient property tax valuation base and property tax rates in order to generate tax increment minimum funds. We are entitled to receive 75% of the tax increment generated by this master planned community through 2036, subject to the qualifications and limitations indicated above. Due to the significant uncertainty of the timing and amount of any of such potential tax increment reimbursements, we recognize any such far increment primbursements only when received. The amount of such tax increments received in 20-4 and 20-5 were not making.

Note 18 Financial instruments:

The following table summarizes the valuation of our short term investments and finuncial instruments by the ASC Topic 820 estegories as of December 3, 20, 4 and 20, 5;

				Fa r	Yalan Mêsa	Uurementsi	
		т	otel	Quated Prices o Active Markets (Level.1)		S go f tent Other Observable Inputs (Leyel 1)	S ga f cent Unoticery (bild Inpate (Level 3)
					(Îtien ∎g	P (7)	
Asset (Hability)	 ٠.		:			:	·
December 31, 2014:							
Marketable securities:					1 1 7		
Current		\$	27 S		7 \$	0	\$
Noncurrent.	_		2556		2.5	3 1	250.0
Currency forward contracts			(4.2)		(4.2)		
December 31, 2015:				•			
Marketable securities:							
Current		\$	2.0 \$. :	S	2.0	\$
Noncurrent			254.9		3.5	1.4	250.0
Currency forward contracts			(1.2)		(1.2)		
Interest rate swap			(3.5)		•	(3.5)	

See Note 4 for infirmation on how we determine the fair value of suppresentations

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

As December 3, 20, 5, Kronos had currency forward contracts to exchange an aggregate of \$7.9 million for an equivalent value of Canadian dollars at an exchange race of Cdn. \$29 per US dollar. These contracts with Wells Fargo Bank, NA meture from January through July 20, 6 at a rate of \$2.6 million per month.

The estimated fair value of such cornercy forward contracts at December 3, 20, 5 was a \$ 2 million net liability, which is recognized as part of accounts payable and accrued liabilities in our Consolidated Balance Sheet with a corresponding \$ 2 million currency transaction loss in our Consolidated Statement of Operations, (in 20, 4 we had a \$4.2 million net liability of which \$4.2 million is recognized as part of accounts payable and accrued liabilities in our Consolidated Balance Sheet with a corresponding \$4.2 million currency transaction loss in our Consolidated Statement of Operations) We did not use hedge accounting for any of our contracts to the extent we hold such contracts during 20, 3, 20, 4 and 20, 5

During the year ended December 3 , 20 5, the pretax amount recognized in other comprehensive income (loss) related to the interest rate away contract was a \$4.4 million loss. During the same period, \$9 million was reclassified from accumulated other comprehensive income (loss) into earnings. During the next twelve months the amount of the December 3 , 20 5 accumulated other comprehensive income balance that is expected to be reclassified to earnings is \$3.5 million pre tax.

The fair value of the interest rate swep contract at December 3, 20, 5 was a flability of \$3.5 million and is reflected in the Consolidated Balance Sheet as part of accounts payable and accound liabilities of \$3.3 million and other noncurrent liabilities of \$2 million. See Note 0. The fair value of the interest rate swap was estimated by a third party using inputs that are observable or that can be componented by observable market data such as interest rate yield curves, and therefore, is classified within Lovel 2 of the valuation hierarchy.

The following table presents the financial instruments that are not carried at fair value but which require fair value disclosure as of Occupher 3, 20, 4 and 20, 5:

		December 31, 2014				December 31, 2015			
		Catry ag Amster		FA r value		ry ng Gunt		Fe r Value	
				(le m	n em)				
Cash, cash equivalents and restricted cash equivalents	. 38.	280.3	5	2803	8	279.1	\$	229.1	
Deferred payment obligation		B 5		8.5		8.8		8.8	
Long term debt (excluding capitalized leases):			٠.						
Kronos tenn loan	\$	3409	S	34 5	5	338.0	\$	309 <i>.</i> 5	
Snake River Sugar Company fixed rate teans		250 0		2,50 0		250.0		250,0	
WCS fored rate dobt		67		67		65.6		65,6	
Vallai credit facility with Contract		2237		223 7		263.8	-3.	263.8	
Tremout promissory note payable		74		74		17.X		17.1	
BMI bank note payable	••	.02		0.3	N 10 1	9.3		9.4	
LandWell hate payable to the City of Headerson		3		ŝ		3.1		3.1	

At December 3, 20,5, the estimated market price of Kronos' term loan was \$900 per \$,000 principal amount At December 3, 20,4, the estimated market price of Kronos' term loan was \$983 per \$,000 principal amount. The fair value of Kronos' term loan was based on quoted market prices; however, these quoted market prices represent Level 2 inputs because the markets in which the term loan trades were not active. The fair value of our fixed rate nonresours loans from Snake River Sugar Company is based upon the \$250 million redemption price of our investment in the Amalgamated Sugar Company LLC, which collateralizes the nonrecourse loans, (this is a Level 3 input). Pair values of variable interest rate notes receivable and debt and other fixed rate debt are decread to approximate book value. Due to their near term maturities, the tarrying amounts of accounts receivable and recommis payable are considered equivalent to fair value. See Notes 4 and 9.

Note 19 - Restructuring Costs

In the second quarter of 20-5, our Chemicals Segment initiated a restructuring plan designed to improve its long term cost structure. Apolitical of such expected cost savings is planted to occur through workforce reductions. During the second, third and fourth quarters of 20-5 Kromos implemented certain voluntary and involuntary workforce reductions at certain of its facilities impacting approximately. 60 individuals. A substantial portion of such workforce reductions were accomplished through voluntary programs, for which eligible workforce reduction costs are recognized at the time both the employee and employer are increasely committed to the terms of the separation. For involvatary programs, eligible costs are recognized when management approves the separation program, the affected employees are properly notified and the costs are estimable. To the extent there is a stantorily mandated notice period and the affected employee is not required to provide services to us during all or a portion of such notice period, the severance (and if applicable notice period wages for any geriod beyond the time the affected employee is required to provide services to us during all or a portion of such notice period, the severance (and if applicable outice period wages for any geriod beyond the time the affected employee is required to provide future services to us) is accrued matchly over the period in which services will be provided. As of December 3., 20-5, we have recognized an aggregate \$2.7 million charge for such workforce reductions. Kronos had implemented through that date (substantially all of which was recognized in the second, quarter of 20-5), \$0 million of which is classified in sching, general and administrative expense. For workforce reductions implemented through December 3., 20-5, we do not expect to accure any further material amounts associated with the affected individuals who are providing service to us past December 3., 20-5. All accured severance costs at December 3., 20-5 are expected to be paid thro

A summary of the periodry in our secreted workforce reduction costs during 20 5 is abown in the table below:

	Amount (n m B and)
Account workflure reduction costs as of Isouary , 20: 5	\$
Workforce reduction costs accrued	ž 7
Workfore reduction costs paid	(39)
Camency translation adjustments, not	(2)
Accused workforce reduction costs at December 3 , 20 5	3 56
Amounts recognized in our Consolidated Balance Sheet at the end of the period;	
Current liability	\$3
Noncurrent liability	
	3 56

Note 20 Recent accounting pronouncements:

Adopted

In April 20.5, the PASB issued ASU 30.5.03. Interest bipusation of Interest (Subtopic 835.30): Simplifying the Preventation of Debt Issuance Class, which requires unamortized debt issuance costs (or deferred financing costs) to be presented in the balance about as a direct debt issue costs were generally presented as a noncurrent asset. ASU 20.5.5, issued by the PASB in August 20.5. clarified that the scope of ASU 20.5.03 does not include deferred financing costs related to revolving credit facilities. The guidance is the new standard is limited to the presentation of debt issuesee costs within this scope and does not affect the recognition, measurement or amortization of debt issuesee costs. The mandard is effective for financial sistements issued for fiscal years beginning after December 5, 20.5, and interim periods within those fiscal years and its applied on a retrospective basis. Early adoption is permitted, and we have adopted this ASU in this Annual Report. As a result of adopting this ASU, deferred financing costs of \$5. willian at December 3, 20.4, previously recognized as an asset, are new classified as a direct deduction from the carrying value of such term loan in our Consolidated Balance Sheet at such date. All of our other deferred financing costs at December 3, 20.4, and 20.5 (see Note 9) relate to Kronos' revolving credit facilities in North America and Europe, and continue to be recognized as an asset under the guidance of the ASU.

In November 20.5, the FASB issued ASU 20.5. 7, Income Taxes (Topic 740): Balance Sheet Classification of Deferred Taxes, which eliminates the ocquirement to separate defeared income tax assets and liabilities into current and appropriate Doder the ASU all deferred income tax assets and liabilities will be classified as noncurrent. The current requirements that deferred income tax assets and liabilities of a tax paying component of an entity be offset and presented as a single amount is not affected by the amendments in this ASU. This amendment is effective for us beginning in the first quarter of 20.7; however early adoption is permitted. In addition, prospective or recrospective application is permitted. We have elected to adopt this ASU represented beginning with this Annual Report and accordingly we have presented all deferred income tax assets and liabilities as noncurrent in our Consolidated Balance Sheets and related Footmates. At December 3., 20.4, we had previously recognized a current deferred income tax asset and liability of 3.3.4 million and 3.3.9 million, respectively, and a result of the retrospective application of this ASU, we no longer have a current deferred income tax asset or liability recognized at December 3., 20.4, and the noncurrent deferred income tax asset and liability we now have recognized at December 3., 20.4 in \$.60.9 million and \$3.99.8 million, respectively. See Nate 2.

Pending Adaption

In May 20 4, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASB") No 20 4 09, Revenue from Contracts with Customers (Topic 606). This standard replaces existing revenue recognition guidance, which in many cases was tailored for specific industries, with a definite accounting standard applicable to all industries and transactions. The new standard, as state-offed, is currently effective for us beginning with the first quarter of 20 8. Entities may elect to adopt ASU No. 20 4 09 retrospectively for all periods for all contracts and transactions which occurred during the period (with a few exceptions for practical expediency) or retrospectively with a countlative effect recognized as of the date of adoption ASU No. 20 4 09 is a fundamental rewriting of existing GAAP with respect to revenue recognition, and we are still evaluating the effect the Standard will have on our Consolidated Pinancial Statements. We currently expect to adopt the standard in the first quarter of 20 8. In addition, we have not yet determined the method we will use to adopt the Standard.

In January 30 6, the FASB issued ASU 20 6 0, Pinancial Instriments Overall (Subtopic \$33 10): Recognition and Measurement of Financial Assets and Financial Liabilities, which addresses certain aspects related to the recognition, measurement, presentation and disclosure of financial instruments. The ASU requires equiry investments (except for those accounted for under the equity method of accounting or those that result in the consolidation of the investee) to generally be measured at hir value with changes in fair value recognized in net income. The amendment also requires a number of other changes, including among others: simplifying the impairment assessment for equity instruments without readily determinable fair values; ellminating the requirement for public buriaess entities to disclose methods and assumptions used to determine fair value for financial instruments measured at amortized cost; requiring an exit price notion when measuring the first value of financial instruments for disclosure purposes; and requiring separate presentation of financial assets and lightifities by measurement category and form of asset. The changes indicated above will be effective for us beginning in the first quarter of 20 8, with prospective application required, and early adoption is not permitted. The most significant aspect of adopting this ASU will be the requirement to recognize changes in fair value of our available for astruminetable equity acceptions to not income (committy changes in fair value of such securities are recognized in other comprehensive income)

In Pebruary 20 6, the FASB issued ASU 20 6 62, Learen (Topic 842), which is a comprehensive rewriting of the least accounting guidance which aims to increase comparability and transparency with regard to lease transactions. The primary change will be the recognition of lease assets for the right of use of the underlying asset and lease flabilities for the obligation to make payments by lessees in the balance sheet for leases cirrently classified as operating brases. The ASU also requires increased qualitative discinsure about leases in addition to quantitative disclosures currently required. Companies are equired to use a modified extrespective approach to adoption with a practical expedient which will allow companies to continue to account for existing teases under the prior guidance unless a lease is modified, other than the requirement to recognize the right of use asset and lease liability for all operating teases. The stranges indicated above will be effective for us beginning in the first quarter of 20 9, with early adoption is permitted. We have not yet evaluated the effect this ASU will have no our Consolidated Fibrardial Statements, but given the material annount of our fiture infinitum payments under non cancellable operating leases at December 3, 20 5 discussed in Note 7, we expect to recognize a material right of use lease asset and lease liability upon adoption of the ASU

Note 21. Quarterly results of operations (unutilities):

•	Quarter ended							
	- M	isneh 31		June 30	· 8	eր (. 31)		Dec. 31
	_		(Ļë	ni flásk, szcep	i per iha	re daju)	•	
Year ended December 31, 2014								·.
Not sales	\$	462.4	S .	491.7	5	476.5	. 5	432.0
Citoss margin	4 . 4	85.8		104.2	11	115.8		97.0
Operating income		22.8		46.7		60.2		. 40.5
Nel income	5	4.6	\$	23.7	- 5	37.5	\$	13.7
Amounts attributable to Vallej stockholders:			•	·				
Net incoms ()	. 5		5	1 5 .5	\$	28.7	\$	8.8
Busic and diluted income per share	\$		s	.05	S	.08	S	.03
Year ended Decomber 31, 2015			-:	·			1.	
Net sales	8	416.1	5	408.6	\$	383.2	S .	324.8
Oross margin		89.3		56.3		49.8		27.5
Operating Income (loss)		34.6		- (10.1).		(5.0)		(24.9)
Net income (loss)	. 5	17.3	5	(139.4)	8	(13.3)	8.	(35.7)
Amounts auribusable to Valli stockholders;								
Net income (lose) (2)	5	.: 11 .9	5	(1.03.9)	. 5	(11.7)	5	(29.9)
Basic and diluted income (loss) per share	S	.04	5	(.30)	3	(.03).	S	(10)

() We recognized the following amounts during 20 4:

- a \$3.2 million set of noncontrolling interest non-cash income tax bestefit in the second quarter of 20.4 related to the calcase of a position of our reserve for uncertain tax positions related to the completion of a Camadian income tax audit and to the release of a position of our reserve for uncertain tax positions in conjunction with the completion of mandit of our U.S. income tax return for 2009; see Note. 2;
- a.S. 2 million net of noncontrolling interest cash tax benefit associated with certain U.S. Income lax crodits, which we effected to blaim on
 our 20-3 amended U.S. federal tax return in the third quarter of 20-4; and
- aggregate insurance recoveries of \$7.3 million, after tax and noncontrolling interest in the third quarter of 20.4

- (2) We recognized the following amounts during 20 5:
 - pre tax charges of \$2 million, \$4 million and \$2 million in the second, third and fourth quarters, respectively, in workforce reduction charges in our Chemicals Segment (see Note 9);
 - aggregate insurance recoveries of \$3.0 million, after tax and unncontrolling interest primarily in the first quartor;
 - non cash deferred income tax expense of \$ 50.3 million, \$2.3 million and \$6.4 million in the second, third and fourth quarters, respectively, related to the recognition of a deferred income tax asset valuation allowance related to our Chemicals Segment's German and Belgium operations (see Note 2); and
 - related to the non cash deferred income tax expense noted above we recognized non cash income tax benefit of \$29.3 million, in the
 second quarter of 20.5 for the reduction in the deferred income taxes required to be recognized with respect to the excess of the financial
 reporting carrying amount over the income tax basis of our direct investment in Kronos common stock, (see Note 2)

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

SIGNATURES

Pursuant to the requirements of Section 3 or 5(d) of the Securities Exchange Act of 934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized

> VALHI, INC (Registrant)

By:

/s/ Staven L Watson

Steven L Walson, March ,20 6 (Chairman and Chief Executive Officer)

Pursuant to the requirements of the Securities Exchange Act of 934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated:

/of Thomas B. Barry
Thomas E Barry, March , 20 6
(Director)
/s/ Norman S Edelcup
Norman S Edelcup, March , 20: 6
(Director)
/s/ W Hayden Mcliroy
W Bayden McIlmy, March , 20 6
(Director)
/s/ Coretta 1 Foshan
Loretta J Feeban, March , 20 6
(Director)

/a/ Steven L Watson

Steven L Watson, March 20 6 (Chairman of the Board and Chief Executive Officer)

(s) Bobby D O'Brien

Bobby D O'Brion, March 20 6

(President and Chief Financial Officer and Director, Principal Financial Officer)

/t/ Gregory M Swalwell Gregory M. Swalwell, March , 20 6

(Executive View President, Controller and Chief Accounting

Officer, Principal Accounting Officer)

Exhibit 10.5

TAX AGREEMENT Between CONTRAN CORPORATION and VALHI, INC.

This Tax Agreement (the "Agreement") dated as of June 3, 2015 is between Contran Corporation ("Contran"), a Delaware corporation having its principal executive offices at Three Lincoln Centre, 5430 LBJ Freeway, Suite 1700, Dallas, Texas 75240, and Valhi, Inc. ("VHI"), a Delaware corporation having its principal executive offices at Three Lincoln Centre, 5430 LBJ Freeway, Suite 1700, Dallas, TX 75240.

WHEREAS, Contran and VHI file consolidated returns of federal income taxes and, subject to certain jurisdictional limitations, are subject to combined state and local tax reporting;

WHEREAS, this Agreement supercedes and amends and restates the Tax Agreement dated December 1, 2012 previously entered into between Contran and VHI;

WHEREAS, Contran and VHI wish to provide for the allocation of liabilities, and procedures to be followed, with respect to federal income taxes of VHI and any subsidiaries of VHI and with respect to certain combined state and local taxes on the terms of this Agreement; and

WHEREAS, Contran and VHI bave historically followed the terms and conditions as provided in this Agreement, and this Agreement serves to formally document such terms and conditions which Contran and Valhi previously followed.

NOW, THEREFORE, in consideration of the promises and agreements herein contained, the parties hereto agree as follows:

- Definitions. As used in this Agreement, the following terms have the meanings set forth below:
- (a) Code: The Internal Revenue Code of 1986, as amended, and with respect to any section thereof any successor provisions under such Code or any successor Code.
- (b) Combined Foreign, State and Local Taxes: For a taxable period, and with respect to a specified group of entities, the amount of all Foreign, State and Local Taxes, for which liability is computed on the basis of a combined, unitary or consolidated return (whether at the initiative of the tax authority or of the taxpayer).
- (c) Contran Corporation: A Delaware corporation that is the common parent of a group of corporations, which group of corporations includes the VHI Group and Contran Group, electing to file a consolidated federal income tax return.
 - (d) Federal Taxes: All federal income taxes, together with all interest and penalties with respect thereto.

- (e) Foreign, State and Local Taxes; All foreign, state and local taxes, including franchise and similar taxes, together with all interest and penalties with respect thereto.
- (f) Contran Group: Contran and each of its direct and indirect subsidiaries which would be a member of an affiliated group, within the meaning of section 1504(a) of the Code, and eligible to file a combined, unitary or consolidated return of which Contran was the common parent (the "Contran Tax Group"), as such Contran Group is constituted from time to time. For purposes of this Agreement (to the extent related to the determination of Combined Foreign, State and Local Taxes for the Contran Group), the term "Contran Group" shall include all direct and indirect subsidiaries of Contran with reference to which Combined Foreign, State and Local Taxes are determined.
- (g) VHI Group: VHI and each of its direct or indirect subsidiaries which would be a member of an affiliated group, within the meaning of section 1504(a) of the Code, and eligible to file a combined, unitary or consolidated return of which VHI was the common parent, as such VHI Group is constituted from time to time. For purposes of this Agreement (to the extent related to the determination of Combined Foreign, State and Local Taxes for the VHI Group), the term "VHI Group" shall include all direct and indirect subsidiaries of VHI with reference to which Combined, Foreign, State and Local taxes are determined.
- (h) VHI Group Tax Liability: For a taxable period, the liability for Federal Taxes and Combined Foreign, State and Local taxes, as applicable, that the VHI Group would have had if it were not a member of the Contran Tax Group during such taxable period (or during any taxable period prior thereto), and instead filed a separate consolidated or combined return, as applicable, for such taxable period; provided, however, that for purposes of determining such liability for a taxable period all tax elections shall be consistent with the tax elections made by Contran for such period. In making such tax elections it is understood Contran will make those tax elections which are beneficial to the Contran Tax Group on a consolidated basis. Nevertheless, Contran will use its best efforts in the case of those elections which affect the computation of the VHI Group Tax Liability, to make elections in a reasonable manner so as to minimize the VHI Group Tax Liability. For purposes of this Agreement, in determining the Combined Foreign, State and Local Taxes for the VHI Group, such determination shall be made based on a separate Foreign, State and Local Tax Calculation as if the VHI Group were a separate unitary filer with respect to states and other jurisdictions in which Contran is required to file on a unitary or combined basis.
- (i) Foreign, State and Local Tax Calculation: For each reporting period, the Tax Calculation will be based on the estimated taxable income of the VHI Group for the taxable period that includes such reporting period, applied to current year tax rates and using the VHI Group's applicable apportionment factors and state, local or other applicable adjustments, in each case based on the applicable combined or unitary return most recently-filed as of each reporting period by the Contran Tax Group for each applicable tax jurisdiction (as modified for extraordinary, one-time event adjustments or tax law changes, if any, impacting the unitary calculation for the VHI Group).

Contran as Agent, Contran shall be the sole agent for the VHI Group in all matters relating to the VHI Group Tax Liability. The VHI Group shall not (a) terminate such agency or (b) without the consent of Contran, participate, or attempt to participate, in any matters related to the VHI Group Tax Liability, including, but not limited to, preparation or filing of, or resolution of disputes, protests or audits with the Internal Revenue Service, state or local taxing authorities concerning, the Contran Tax Group's consolidated returns of Federal Taxes, returns of Combined Foreign, State and Local Taxes or the VHI Group Tax Liability with respect thereto. The VHI Group shall cooperate fully in providing Contran with all information and documents necessary or desirable to enable Contran to perform its obligations under this Section, including completion of Internal Revenue Service and state or local tax audits in connection with such VHI Group Tax Liability and determination of the proper liability for such VHI Group Tax Liability.

<u>Liability for Taxes; Refunds.</u>

- (a) Contran, as the common parent of the VHI Group, shall be responsible for, and shall pay to the appropriate taxing authority, as applicable, the consolidated tax liability for Federal Taxes and Combined Foreign, State and Local Taxes for the Contran Group and has the sole right to any refunds received from such taxing authority subject to the provisions of Sections 5 and 6 of this Agreement.
- (b) Notwithstanding any other provision of this Agreement, VHI and each subsidiary of VHI which is a member of the VHI Group shall be severally liable to Contran for the VHI Group Tax Liability.
- (c) VHI shall indemnify Contran and hold it and the Contran Group other than the VHI Group, hamless from and against any deficiency in the VHI Group Tax Liability that may be due to Contran.
- (d) Contran shall indemnify VHI and hold it and the VHI Group harmless from and against any Federal Taxes and Combined Foreign, State and Local Taxes attributable to the Contran Group or any other member of the Contran Tax Group, other than the VHI Group, as such taxes are determined under this and other tax sharing agreements.

- 4. Tax Returns. Contran shall file on behalf of the VHI Group any and all federal, foreign, state and local tax returns that are required as they pertain to the VHI Group Tax Liability. The VHI Group, at Contran's request, shall join in any applicable consolidated returns of Federal Taxes and any returns of Combined Foreign, State and Local Taxes (for which returns have not been theretofore filed) and execute its consent, if such consent has not previously been executed, to each such filing on any form as may be prescribed for such consent if such consent is required. The decision of Contran's Vice President and Tax Director (or any other officer so designated by Contran) with responsibility for tax matters shall, subject to the provisions of this Agreement, be binding in any dispute between Contran and the VHI as to what tax position should be taken with respect to any item or transaction of the VHI Group. The preceding sentence is limited to the tax positions that affect the VHI Group Tax Liability and the combined Contran Group and Contran Tax Group. In addition, Contran and members of the Contran Group, including VHI and members of the VHI Group, shall provide each other with such cooperation, assistance and information as each of them may request of the other with respect to the filing of any tax return, amended return, claim for refund or other document with any taxing authority. VHI shall be solely responsible for all taxes due for the VHI Group with respect to tax returns filed by VHI or a member of the VHI Group that are required to be filed on a separate company basis, independent of Contran.
- Payment of VHI Group Tax Liability for Federal Taxes and Foreign, State and Local Taxes. On or before each S. date, as determined under section 6655 of the Code (with respect to Federal Taxes) and the applicable tax provisions with respect to any Foreign, State and Local Taxes due pursuant to this Agreement, for payment of an installment of estimated Federal Taxes or any Foreign, State and Local Taxes, VHJ shall pay to Contran an amount equal to the installment which the VHI Group would have been required to pay as an estimated payment of Federal Taxes to the Internal Revenue Service or any Foreign, State and Local Taxes to the applicable taxing authority if it were filing a separate consolidated, combined or unitary return in respect of the VHI Group Tax Liability, Any balance owed with respect to the VHI Group Tax Liability for such taxable period shall be paid to Contran on or before the 15th day of the third month after the close of such taxable period. If it is not possible to determine the amount of such balance on or before such day, (a) a reasonable estimate thereof shall be paid on or before such day, (b) the amount of such balance shall be finally determined on or before the earlier of; (i) the 15th day of the ninth month after the close of such taxable period (or the applicable due date for the Contran foreign, state or local combined or unitary return) and (ii) the date on which the Contran Group consolidated tax rearm for such period is filed with the Internal Revenue Service or the applicable tax authority, and (c) any difference between the amount so determined and the estimated amount paid shall; (i) in the case of an underpayment, be promptly paid to Contran and (ii) in the case of an overpayment, be promptly refunded or applied against the estimated VHI Group Tax Liability for the immediately following tax period, at the option of Contran. If the overpayment is not applied to the immediately following tax period, such overpayment shall be promptly refunded to the VHI Group. As between the parties to this Agreement, the VHI Group shall be solely responsible for the VHI Group Tax Liability and shall have no responsibility for Federal Taxes of the Contran Group other than payment of the VHI Group Tax Liability in accordance with the terms of this Agreement. Notwithstanding the foregoing, Contran at its option may extend the payment due date for any of the payments referenced above.

- Refunds for VHI Group Losses and Credits for Federal Taxes. If the calculation with respect to the VHI Group 6. Tax Liability for Federal Taxes results in a net operating loss ("NOL") for the current tax period that, in the absence of a Code Section 172(b)(3) election made by Contran, is carried back under Code Sections 172 and 1502 to a prior taxable period or periods of the VHI Group with respect to which the VHI Group previously made payments to Contran, then, in that event, Contran shall pay (or credit) VHI an amount equal to the tax refund to which the VHI Group would have been entitled had the VHI Group filed a separate consolidated federal income tax return for such year (but not in excess of the net aggregate amount of the VHI Group Tax Liability paid to Contran with respect to the preceding two taxable periods). If the calculation with respect to the VHI Group Tax Liability results in an NOL for the current tax period, that subject to the Code Section 172(b)(3) election made by Contran, is not carried back under Code Sections 172 and 1502 to a prior taxable period or periods of the VHI Group with respect to which VHI made payments to Contran or is not carried back because the Contran Tax Group does not have a consolidated net operating loss for the current tax period, then, in that event such NOL shall be an NOL carryover to be used in computing the VHJ Group Tax Liability for future taxable periods, under the law applicable to NOL carryovers in general, as such law applies to the relevant taxable period. Payments made pursuant to this Section 6 shall be made on the date that Contran (or any successor common parent of a tax group to which the Contran Group is a member) files its consolidated federal income tax return for the taxable period involved. Principles similar to those discussed in this Section 6 shall apply in the case of the utilization of all VHI Group loss and credit carrybacks and carryovers.
- 7. <u>Refinds for VHI Group Combined or Unitary Foreign, State and Local Losses and Credits.</u> The foregoing principles contained in Section 6 shall apply in similar fashion to any consolidated, unitary or combined foreign, state or other local income tax returns, containing any member of the VHI Group, which may be filed based on the VHI Group Tax Liability for Foreign, State and Local Taxes.
- 8. <u>Subsequent Adjustments</u>. If any settlement with the Internal Revenue Service, foreign, state or local tax authority or court decision which has become final results in any adjustment to any item of income, deduction, loss or credit to the Contran Group in respect of any taxable period subject to this Agreement, which, in any such case, affects or relates to any member of the VHI Group as constituted during such taxable period, the VHI Tax Group Liability shall be re-determined to give effect to such adjustment as if it had been made as part of or reflected in the original computation of the VHI Tax Group Liability and proper adjustment of amounts paid or owing hereunder in respect of such liability and allocation shall be promptly made in light thereof.
- Amendments. This Agreement may be amended, modified, superseded or cancelled, and any of the terms, covenants, or conditions hereof may be waived, only by a written instrument specifically referring to this Agreement and executed by all parties (or, in the case of a waiver, by or on behalf of the party waiving compliance). The failure of any party at any time or times to require performance of any provision of this Agreement shall in no manner affect the right at a later time to enforce the same. No waiver by any party of any condition, or of any breach of any term or covenant, contained in this Agreement, in any one or more instances, shall be deemed to be or construed as a further or continuing waiver of any such condition or breach, or a waiver of any other condition or of any breach of any other term or covenant.

- Retention of Records, Contran shall retain all tax returns, tax reports, related workpapers and all schedules (along with all documents that pertain to any such tax returns, reports or workpapers) that relate to a taxable period in which the VHI Group is included in a consolidated or combined tax return with Contran. Contran shall make such documents available to VHI at VHI's request. Contran shall not dispose of such documents without the permission of VHI.
- 11. <u>Headings</u>. The headings of this Agreement are for convenience of reference only, and shall not in any way affect the meaning or interpretation of this Agreement.
- 12. <u>Governing Law.</u> This Agreement shall be construed and enforced in accordance with the laws of the State of Delaware without regard to conflicts of laws provisions.
- 13. <u>Counterparts</u>. This Agreement may be executed in multiple counterparts, each of which shall be an original, but all of which shall constitute but one agreement.
- 14. <u>Successors</u>. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective subsidiaries, and their respective successors and assigns.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

CONTRAN CORPORATION

By:

/s/ Gregory M. Swalwell

Gregory M. Swalwell

Vice President and Controller

VALHI, INC.

By: /s/ Kelly D. Luttmer

Kelly D. Luttmer

Executive Vice President and Tax Director

EXMIBIT 21.1

SUBSIDIARIES OF THE REGISTRANT

Nague o Co porming	Ju ledže iou a Linco pera iou or O ganiza iou	% o Voling Securi les Held o December 31, 2015 (1)
ASC Holdings, Inc	Utah	00%
Andrews County Holdings, Inc Waste Control Specialists LLC	Delaware Delaware	00% 00%
Kronos Worldwide, Inc. (2)	Delaware	50%
NL Industries, Inc. (2), (3), (4) CompX International Inc. (4)	New Jersey Delaware	83% 87%
Tremont LLC TRECO LLC Basic Management, Inc Basic Water Company Basic Water Company Basic Water Company SPE LLC Basic Environmental Company LLC Basic Fower Company Basic Remediation Company LLC Basic Land Company The LandWell Company LP (5) Henderson Interchange Sign LLC TRE Holding Corporation TRB Management Company	Delaware Nevada Nevada Nevada Nevada Nevada Nevada Nevada Nevada Delaware Nevada Delaware	00% 00% 63% 00% 00% 00% 00% 00% 50% 00%
Tall Pines Insurance Company	Vermont	00%
Medite Corporation	Delaware	00%
Impex Realty Holding, Inc	Delaware	00%

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

⁽²⁾ Subsidiaries of Kronos are incorporated by reference to Exhibit 2 of Kronos' Annual Report on Form 0 K for the year ended December 3, 20, 5 (File No. 333, 00047) NL owns an additional 30% of Kronos directly

⁽³⁾ Subsidiaries of NL are incorporated by reference to Exhibit 2 of NL's Annual Report on Form 0 K for the year ended December 3 , 20 5 (File No 640)

⁽⁴⁾ Subsidiaries of CompX are incorporated by reference to Exhibit 2 of CompX's Annual Report on Form 0 K, for the year ended December 3 , 20 5 (File No 3905)

⁽⁵⁾ TRECO LLC owns so additional 27% of The LandWell Company LP directly

Exhibit 23.1

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 8 79) of Valhi, Inc., of our report dated Match , 20 6, relating to the consolidated financial statements and effectiveness of internal control over financial reporting, which appears in this Form 0 K

/s/ PricewaterhouseCoopers LLP
PricewaterhouseCoopers LLP
Dallas, Texas
March , 20 6

Exhibit 31.1

I, Steven L. Watson, certify that:

-) I have reviewed this Annual Report on Form | 0 K of Valhi, Inc.:
- 2) Based on my knowledge, this report does not contain any untrue statement of a material fact or orbit 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 3a 5(e) and 5d 5(f) and 5d 5(f) for the registrant and have:
 - 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;
 - e) 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 function):
 - 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 , 20 6

/s/ Steven L Watson

Steven L Watson

Chairman and Chief Executive Officer

Exhibit 31.2

I, Bobby D. O'Brien, certify that:

-) I have reviewed this Annual Report on Form 0 K of Valhi, Inc.;
- 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 3a 5(s) and 5d 5(f)) and internal control over financial reporting (as defined in Exchange Act Rules 3a 5(f) and 5d 5(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, perticularly 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 roost 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 function):
 - 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
 - Any fraud, whether or not meterial, that involves management or other employees who have a significant role in the registrant's internal
 control over financial reporting

Date: March , 20 6

/s/Bobby D O'Brien

Bobby D O'Brien

Director, President and Chief Financial Officer

Exhibit 32.1

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 Valhi, Inc. (the "Company") on Form. 0 K for the year ended December 3, 20, 5 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), we, Steven L. Watson, Chief Executive Officer of the Company, and Bobby D. O'Brien, President and Chief Pinancial Officer of the Company, certify, pursuant to BUSC Section. 350, as adopted pursuant to Section 906 of the Sarbanes Oxley Act of 2002, that:

- () The Report fully complies with the requirements of Section 3(a) or 5(d) of the Securities Exchange Act of 934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company

/s/ Steven L. Warson
Seven L. Warson
Bobby D. O'Brien
Chairman and Chief Executive Officer
March , 20 6

/s/ Bobby D. O'Brien
Bobby D. O'Brien
Director, President and Chief Financial Officer
March , 20 6

Note: The certification the registrant furnishes in this exhibit is not deemed "filed" for purposes of Section 8 of the Securities Exchange Act of 934, 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