FERRO CORP Form 10-Q May 06, 2008

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM 10-Q

(Mark One)

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

For the quarterly period ended March 31, 2008

or

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

For the transition period from ______ to ____

Commission File Number 1-584 FERRO CORPORATION

(Exact name of registrant as specified in its charter)

Ohio

(State of Corporation)

1000 Lakeside Avenue Cleveland, OH 34-0217820 Employer Identification

(IRS Employer Identification No.)

44114

(Zip Code)

(Address of Principal executive offices)

216-641-8580

(Telephone Number)

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

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

Large accelerated filer b Accelerated filer o

Non-accelerated filer o

Smaller Reporting Company o

(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). YES o NO þ At April 30, 2008, there were 43,709,995 shares of Ferro Common Stock, par value \$1.00, outstanding.

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PART I FINANCIAL INFORMATION

Item 1. Financial Statements (Unaudited) Ferro Corporation and Consolidated Subsidiaries Condensed Consolidated Statements of Income

	Three months ended March 31,			nded	
		2008		2007	
		(Dollars in	thous	sands,	
	except per share amount			nounts)	
Net sales	\$	607,256	\$	529,705	
Cost of sales	4	493,937		422,925	
Gross profit		113,319		106,780	
Selling, general and administrative expenses		78,657		78,757	
Restructuring charges		4,207		1,531	
Other expense (income):					
Interest expense		14,029		17,446	
Interest earned		(129)		(965)	
Foreign currency (gains) losses, net		(1,541)		511	
Miscellaneous expense (income), net		1,850		(1,269)	
Income before taxes		16,246		10,769	
Income tax expense		7,081		4,534	
Income from continuing operations		9,165		6,235	
Loss from discontinued operations, net of tax		25		156	
Net income		9,140		6,079	
Dividends on preferred stock		227		286	
Net income available to common shareholders	\$	8,913	\$	5,793	
Per common share data					
Basic earnings:					
From continuing operations	\$	0.21	\$	0.14	
From discontinued operations		0.00		0.00	
	\$	0.21	\$	0.14	
Diluted earnings:	*	0.51	*		
From continuing operations	\$	0.21	\$	0.14	
From discontinued operations		0.00		0.00	
	\$	0.21	\$	0.14	

Cash dividends declared

\$ 0.145 **\$** 0.145

See accompanying notes to condensed consolidated financial statements.

Ferro Corporation and Consolidated Subsidiaries Condensed Consolidated Balance Sheets

	March 31,	December 31,
	2008	2007
	(Dollars i	n thousands)
ASSETS		
Current assets		
Cash and cash equivalents	\$ 11,395	\$ 12,025
Accounts and trade notes receivable, net	269,696	245,369
Note receivable from Ferro Finance Corporation	27,376	29,577
Inventories	309,752	262,799
Deferred income taxes	17,423	15,764
Other receivables	48,264	33,419
Other current assets	7,246	8,239
Total current assets	691,152	607,192
Other assets		
Property, plant and equipment, net	538,203	519,959
Goodwill	290,299	291,070
Amortizable intangible assets, net	8,964	9,071
Deferred income taxes	101,896	100,935
Other non-current assets	111,870	110,033
Total assets	\$ 1,742,384	\$ 1,638,260

LIABILITIES AND SHAREHOLDERS EQUITY

Current liabilities	C	
Loans payable and current portion of long-term debt	\$ 15,744	\$ 5,444
Accounts payable	313,289	269,591
Income taxes	14,260	
Accrued payrolls	34,372	26,415
Accrued expenses and other current liabilities	102,791	108,882
Total current liabilities	480,456	410,332
Other liabilities		
Long-term debt, less current portion	522,065	520,645
Postretirement and pension liabilities	144,507	140,988
Deferred income taxes	10,753	9,848
Other non-current liabilities	62,634	56,644
Total liabilities	1,220,415	1,138,457
Minority interests	9,770	9,896
Series A convertible preferred stock (approximates redemption value)	12,952	13,623
Shareholders equity	50.000	50.000
Common stock	52,323	52,323
Paid-in capital	164,034	166,391

Retained earnings Accumulated other comprehensive income (loss) Common shares in treasury, at cost	470,306 12,000 (199,416)	468,190 (7,765) (202,855)
Total shareholders equity	499,247	476,284
Total liabilities and shareholders equity	\$ 1,742,384	\$ 1,638,260

See accompanying notes to condensed consolidated financial statements.

Ferro Corporation and Consolidated Subsidiaries

Condensed Consolidated Statement of Shareholders Equity and Comprehensive Income (Loss)

	Common Shares in Treasury				Common	Paid-in	Retained	Accumulated Other Comprehensive Income	Total Share- holders
	Shares	Amount	Stock	Capital (In thousan	Earnings ids)	(Loss)	Equity		
Balances at December 31, 2007 Net income Other comprehensive income, net of tax: Foreign currency	8,753	\$ (202,855)	\$ 52,323	\$ 166,391	\$ 468,190 9,140	\$ (7,765)	\$476,284 9,140		
translation adjustments Postretirement benefit liability adjustments Raw material						21,529 (375)	21,529 (375)		
commodity swap adjustments Interest rate swap adjustments						848 (2,603)	848 (2,603)		
Total comprehensive income Cash dividends: Common Preferred Income tax benefits Stock-based				11	(6,292) (227)		28,539 (6,292) (227) 11		
compensation transactions Adjustment to initially apply FAS No. 158 as of January 1, 2008	(216)	3,439		(2,368)	(505)	366	1,071 (139)		
See accompanying notes to condensed consolidated financial statements. 5									

Ferro Corporation and Consolidated Subsidiaries Condensed Consolidated Statements of Cash Flows

	Three months ender March 31, 2008 200 (Dollars in thousand	
Cash flows from operating activities		
Net income	\$ 9,140	\$ 6,079
Depreciation and amortization	19,036	21,779
Precious metals deposits		69,673
Accounts and trade notes receivable, inventories, and accounts payable	(17,563)	(20,036)
Other changes in current assets and liabilities, net	(77)	(10,729)
Other adjustments, net	427	(2,977)
Net cash provided by continuing operations	10,963	63,789
Net cash (used for) provided by discontinued operations	(25)	12
Net cash provided by operating activities Cash flows from investing activities	10,938	63,801
Capital expenditures for plant and equipment	(15,262)	(12,811)
Proceeds from sale of assets and businesses	148	1,964
Other investing activities		158
Net cash used for investing activities Cash flows from financing activities	(15,114)	(10,689)
Net borrowings (repayments) under short term facilities	3,688	(5,983)
Proceeds from revolving credit facility	180,276	190,034
Proceeds from term loan facility		55,000
Principal payments on revolving credit facility	(171,878)	(290,601)
Principal payments on term loan facility	(762)	
Proceeds from exercise of stock options		6,128
Cash dividends paid	(6,519)	(6,529)
Other financing activities	(1,802)	(863)
Net cash provided by (used for) financing activities	3,003	(52,814)
Effect of exchange rate changes on cash and cash equivalents	543	258
(Decrease) increase in cash and cash equivalents	(630)	556
Cash and cash equivalents at beginning of period	12,025	16,985
Cash and cash equivalents at end of period	\$ 11,395	\$ 17,541
Cash paid during the period for:		
Interest	\$ 16,836	\$ 20,173
Income taxes	\$ 4,178	\$ 3,698
See accompanying notes to condensed consolidated financial		,

Ferro Corporation and Consolidated Subsidiaries Notes to Condensed Consolidated Financial Statements

1. Basis of Presentation

Ferro Corporation (Ferro, us or the Company) prepared these unaudited condensed consolidated financial we. statements of Ferro Corporation and its consolidated subsidiaries in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) for interim financial information and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Accordingly, they do not include all of the information and footnotes required by U.S. GAAP for complete financial statements and, therefore, should be read in conjunction with the consolidated financial statements and related notes included in our Annual Report on Form 10-K for the year ended December 31, 2007. The preparation of financial statements in conformity with U.S. GAAP requires us to make estimates and assumptions that affect the timing and amount of assets, liabilities, equity, revenues and expenses reported and disclosed. Actual amounts could differ from our estimates, resulting in changes in revenues or costs that could have a material impact on the Company s results of operations, financial position, or cash flows. In our opinion, we made all adjustments that are necessary for a fair presentation, and those adjustments are of a normal recurring nature unless otherwise noted. Due to differing business conditions, our various initiatives, and some seasonality, the results for the three months ended March 31, 2008, are not necessarily indicative of the results expected in subsequent quarters or for the full year.

2. Accounting Standards Adopted in the Three Months Ended March 31, 2008

On January 1, 2008, we adopted FASB Statement No. 157, *Fair Value Measurements*, (FAS No. 157), FASB Staff Position No. FAS 157-1, *Application of FASB Statement No. 157 to FASB Statement No. 13 and Other Accounting Pronouncements That Address Fair Value Measurements for Purposes of Lease Classification or Measurement Under Statement 13*, (FSP No. FAS 157-1), and FASB Staff Position No. FAS 157-2, *Effective Date of FASB Statement No. 157*, (FSP No. FAS 157-2). FAS No. 157 defines fair value, establishes a framework and gives guidance regarding the methods used for measuring fair value, and expands disclosures about fair value measurements, but does not require any new fair value measurements. FSP No. FAS 157-1 excludes FASB Statement No. 13, *Accounting for Leases*, (FAS No. 13) as well as other accounting pronouncements that address fair value measurement on lease classification or measurement under FAS No. 13 from the scope of FAS No. 157. FSP No. FAS 157-2 delays the effective date of FAS No. 157 for all nonrecurring fair value measurements of nonfinancial assets and nonfinancial liabilities until fiscal years beginning after November 15, 2008. The portions of these pronouncements that were not delayed were adopted prospectively, and their adoption reduced the disclosed fair value of our borrowings under the revolving credit and term loan facilities and reduced the carrying value of our interest rate swaps. We are currently evaluating the impact on our consolidated financial statements of adopting the deferred portions of these pronouncements on January 1, 2009.

On January 1, 2008, we adopted the measurement provisions of FASB Statement No. 158, *Employers Accounting* for Defined Benefit Pension and Other Postretirement Plans an amendment of FASB Statements No. 87, 88, 106, and 132(R), (FAS No. 158). The measurement provisions require companies to measure defined benefit plan assets and obligations as of the annual balance sheet date. Previously, we used September 30 as the measurement date for U.S. pension and other postretirement benefits. We have elected to use the September 30, 2007, measurement of assets and benefit obligations to calculate the fiscal year 2008 expense. Expense for the gap period from September 30 to December 31 is recognized as of January 1, 2008, as a charge of \$0.5 million, net of tax, to retained earnings and a credit of \$0.4 million, net of tax, to accumulated other comprehensive income.

On January 1, 2008, we adopted FASB Statement No. 159, *The Fair Value Option for Financial Assets and Financial Liabilities* Including an amendment of FASB Statement No. 115, (FAS No. 159). This statement permits us to choose, at specified election dates, to measure eligible items at fair value (the fair value option). For items for which the fair value option has been elected, we would report unrealized gains and losses in earnings at each subsequent reporting date and recognize up-front costs and fees in earnings as incurred. We have not elected to measure any eligible items at fair value, and we do not have any current plans to do so. Therefore, adoption of FAS No. 159 did not have an effect on our consolidated financial statements.

On January 1, 2008, we adopted Emerging Issues Task Force Issue No. 06-11, *Accounting for Income Tax Benefits of Dividends on Share-Based Payment Awards*, (EITF No. 06-11). EITF No. 06-11 requires that the income tax benefit from dividends that are charged to retained earnings and paid to employees for nonvested equity shares be recognized as an

increase to paid-in capital. Previously, we recognized this income tax benefit as an increase to retained earnings. Beginning in 2008, we report this income tax benefit as an increase to paid-in capital.

3. Newly Issued Accounting Pronouncements

In December 2007, the FASB issued Statement No. 141(R), *Business Combinations*, (FAS No. 141(R)) and Statement No. 160, *Noncontrolling Interests in Consolidated Financial Statements* an amendment of ARB No. 51, (FAS No. 160). These statements change the way that companies account for business combinations and noncontrolling interests (e.g., minority interests). Both standards are to be applied prospectively for fiscal years beginning after December 15, 2008. However, FAS No. 160 requires entities to apply the presentation and disclosure requirements retrospectively to comparative financial statements. In 2009, we will retrospectively reclassify the amount of minority interests in consolidated subsidiaries to equity and separately report the amount of net income or loss attributable to minority interests.

In March 2008, the FASB issued Statement No. 161, *Disclosures about Derivative Instruments and Hedging Activities* an amendment of FASB Statement No. 133, (FAS No. 161). This Statement requires enhanced disclosures about an entity s derivative and hedging activities. This Statement is effective for financial statements issued for fiscal years and interim periods beginning after November 15, 2008, with early application encouraged. This Statement encourages, but does not require, comparative disclosures for earlier periods at initial adoption. We do not expect the adoption of FAS No. 161 to have a material impact on our consolidated financial statements.

In April 2008, the FASB issued Staff Position No. FAS 142-3, *Determination of the Useful Life of Intangible Assets*, (FSP No. FAS 142-3). This pronouncement amends the factors that should be considered in developing renewal or extension assumptions used to determine the useful life of a recognized intangible asset under FASB Statement No. 142, *Goodwill and Other Intangible Assets*. FSP No. FAS 142-3 is to be applied prospectively and is effective for financial statements issued for fiscal years beginning after December 15, 2008, with early adoption prohibited. We are currently evaluating its effect on our financial statements.

4. Inventories

Inventories consisted of the following:

	March 31, 2008	D	ecember 31, 2007
	(Dollars in	n thou	sands)
Raw materials	\$ 91,849	\$	74,659
Work in process	49,158		41,640
Finished goods	168,745		146,500
Total	\$ 309,752	\$	262,799

In the production of some of our products, we use precious metals, some of which we obtain from financial institutions under consignment agreements with terms of one year or less. The financial institutions retain ownership of the precious metals and charge us fees based on the amounts we consign. These fees were \$1.0 million and \$1.0 million for the three months ended March 31, 2008 and 2007, respectively, and were charged to cost of sales. We had on hand \$173.8 million at March 31, 2008, and \$148.3 million at December 31, 2007, of precious metals owned by financial institutions, measured at fair value based on market prices for identical assets.

5. Property, Plant and Equipment

Property, plant and equipment is reported net of accumulated depreciation of \$742.0 million at March 31, 2008, and \$713.5 million at December 31, 2007.

6. Financing and Long-term Debt

Loans payable and current portion of long-term debt consisted of the following:

	March 31, 2008 (Dollars)	cember 31, 2007 sands)
Loans payable to banks Current portion of long-term debt	\$ 4,902 10,842	\$ 954 4,490
Total	\$ 15,744	\$ 5,444

Long-term debt consisted of the following:

	March 31, 2008	D	ecember 31, 2007
	(Dollars i	n thou	isands)
\$200,000 Senior Notes, 9.125%, due January 1, 2009 *	\$ 199,727	\$	199,636
Revolving credit facility	22,255		13,857
Term loan facility	301,188		301,950
Capitalized lease obligations	9,019		8,924
Other notes	718		768
	532,907		525,135
Less current portion	(10,842)		(4,490)
Total	\$ 522,065	\$	520,645

* Net of

unamortized discounts.

Credit Rating

At March 31, 2008, the Company s senior credit rating was B1, with a positive outlook, by Moody s Investor Services, Inc. (Moody s) and B+, with a stable outlook, by Standard & Poor s Rating Group (S&P). *Revolving Credit and Term Loan Facilities*

In 2006, we entered into an agreement with a group of lenders for a \$700 million credit facility, consisting of a multi-currency senior revolving credit facility and a senior term loan facility. In 2007, we cancelled the unused portion of the term loan facility and amended the credit facility (the Amended Credit Facility). At March 31, 2008, the Amended Credit Facility consisted of a \$300 million revolving credit facility, which matures in 2011, and a \$305 million term loan facility, which matures in 2012. As part of the agreement, we can request an increase of \$50 million in the revolving credit facility. We had \$269.1 million at March 31, 2008, and \$277.5 million at December 31, 2007, available under the revolving credit facility, after reductions for standby letters of credit secured by this facility. In 2007, we began making periodic principal payments on the term loans. We are required to make minimum quarterly principal payments of \$0.8 million from April 2008 to July 2011. During the last year of the loan s life, we are required to repay the remaining balance of the term loans in four quarterly installments. Currently, those last four payments will be \$71.0 million each. In addition to the minimum quarterly payments, each April we may be required to make an additional principal payment. The amount of this additional payment is dependent on the

Company s leverage and certain cash flow metrics. Any additional payment that is required reduces, on a dollar-for-dollar basis, the amount due in the last four quarterly payments. In April 2008, we made a term loan principal payment of \$7.2 million, consisting of the \$0.8 million minimum quarterly payment and a \$6.4 million additional principal payment.

The interest rates under the Amended Credit Facility are equal to the sum of (A) either (1) LIBOR or (2) the higher of the Federal Funds Rate plus 0.5% or the Prime Rate and (B) for the revolving credit facility, a variable margin based on the Company s leverage, or for the term loan facility, a fixed margin. As part of the 2007 amendments, \$175 million of

borrowings under the term loan facility were restricted to using three-month LIBOR in determining their interest rates. This change was made in connection with interest rate swap agreements executed in 2007. These swap agreements effectively fixed the interest rate through June 2011 on \$150 million of borrowings under the term loan facility. The average interest rate for revolving credit borrowings was 4.8% at March 31, 2008, and 6.5% at December 31, 2007, and the effective interest rate for term loan borrowings after adjusting for the interest rate swaps was 7.0% at March 31, 2008, and 7.2% at December 31, 2007.

Senior Notes

The senior notes are due January 1, 2009. We continue to classify the senior notes as noncurrent liabilities, because we have both the intention to refinance them in a way that would extend their maturity beyond one year and the ability to do so through availability under our revolving credit facility. The senior notes are redeemable at our option at any time for the present value of the principal amount then outstanding plus the unpaid interest through maturity. The senior notes are redeemable at the option of the holders only upon a change in control of the Company combined with a rating by either Moody s or S&P below investment grade as defined in the indenture. Currently, the ratings by Moody s and S&P of the senior notes are below investment grade.

Receivable Sales Programs

We have several programs to sell, on an ongoing basis, pools of our trade accounts receivable. These programs accelerate cash collections at favorable financing costs and help us manage the Company s liquidity requirements. In our largest program, we sell substantially all of Ferro s U.S. trade accounts receivable to Ferro Finance Corporation (FFC), a wholly-owned unconsolidated qualified special purpose entity (QSPE). FFC finances its acquisition of trade receivable assets by issuing beneficial interests in (securitizing) the receivables to multi-seller receivables securitization companies (the Conduits) for proceeds of up to \$100.0 million. Ferro had received net proceeds of \$67.3 million at March 31, 2008, and \$54.6 million at December 31, 2007, for outstanding receivables. FFC and the Conduits have no recourse to Ferro s other assets for failure of debtors to pay when due, as the assets transferred are legally isolated in accordance with the U.S. bankruptcy laws. Ferro, on behalf of FFC and the Conduits, provides normal collection and administration services for the trade accounts receivable sold.

Activity from this program for the three months ended March 31 is detailed below:

	2008	2007
	(Dollars in thousands)	
Trade accounts receivable sold to FFC	\$261,605	\$250,007
Cash proceeds from FFC	263,107	246,716
Trade accounts receivable collected and remitted to FFC and the conduits	250,429	235,616

In addition, we maintain several international programs to sell trade accounts receivable, primarily without recourse. The commitments supporting these programs can be withdrawn at any time and totaled \$87.4 million at March 31, 2008, and \$80.8 million at December 31, 2007. The amount of outstanding receivables sold under the international programs was \$42.5 million at March 31, 2008, and \$42.1 million at December 31, 2007. Ferro provides normal collection and administration services for the trade accounts receivable sold to certain financial institutions. Activity from these programs for the three months ended March 31 is detailed below:

Activity from these programs for the three months ended March 31 is detailed below:

	2008	2007
	(Dollars in thousands)	
Trade accounts receivable sold to financial institutions	\$65,543	\$31,954
Cash proceeds from financial institutions	64,126	32,583
Trade accounts receivable collected and remitted to financial institutions for		
programs where we provide collection and administrative services	23,424	22,426
10		

7. Financial Instruments

The following financial instruments are measured at fair value for disclosure purposes. The carrying values of these instruments may or may not be their fair values.

Senior Notes. The carrying amount of the senior notes was \$199.7 million at March 31, 2008, and \$199.6 million at December 31, 2007. The fair value of the senior notes was \$202.5 million at March 31, 2008, and \$205.0 million at December 31, 2007. The fair value of Ferro s senior notes is based on a third party s estimated bid price.

Revolving credit facility. The carrying amount of the revolving credit facility was \$22.3 million at March 31, 2008, and \$13.9 million at December 31, 2007. The fair value of the revolving credit facility was \$20.5 million at March 31, 2008, and \$13.9 million at December 31, 2007. The fair value of the revolving credit facility is based on the present value of expected future cash flows and assumptions about current interest rates. Beginning in 2008 in connection with the adoption of FAS No. 157, the fair value also reflects assumptions about the creditworthiness of the Company that market participants would use in pricing the debt.

Term loan facility. The carrying amount of the term loan facility was \$301.2 million at March 31, 2008, and \$302.0 million at December 31, 2007. The fair value of the term loan facility was \$276.7 million at March 31, 2008, and \$302.0 million at December 31, 2007. The fair value of the term loan facility is based on the present value of expected future cash flows and assumptions about current interest rates. Beginning in 2008 in connection with the adoption of FAS No. 157, the fair value also reflects assumptions about the creditworthiness of the Company that market participants would use in pricing the debt.

The following financial instruments are measured and recorded at fair value on a recurring basis. The inputs to the valuation techniques used to measure fair value are classified into the following categories:

Level 1: Quoted market prices in active markets for identical assets or liabilities.

Level 2: Observable market based inputs or unobservable inputs that are corroborated by market data.

Level 3: Unobservable inputs that are not corroborated by market data.

The carrying amount, fair value, and classification within the fair value hierarchy of these financial instruments were as follows:

			F	Fair Valu	e Measu	rements		
		arch 31,		at Marc	ch 31, 20	08	De	cember 31,
			Level			Level		
	2	008	1		vel 2	3		2007
				(Dollars	s in thou	sands)		
Assets								
Foreign currency forward contracts	\$	47	\$	\$	47	\$	\$	16
Raw material commodity swaps		14			14			
Precious metals forward contracts		47			47			755
Total Fair Value	\$	108	\$	\$	108	\$	\$	771
Liabilities								
Interest rate swaps	\$(1	2,151)	\$	\$(1	2,151)	\$	\$	(8,109)
Foreign currency forward contracts	(1,031)		((1,031)			(284)
Raw material commodity swaps		(477)			(477)			(1,499)
Precious metals forward contracts		(71)			(71)			
Total Fair Value	\$(1	3,730)	\$	\$(1	3,730)	\$	\$	(9,892)

Interest rate swaps. To reduce our exposure to interest rate changes on variable-rate debt, we entered into interest rate swap agreements in 2007. These swaps effectively converted \$150 million of our variable-rate term loan facility to a fixed rate. We mark these agreements to fair value and recognize the resulting gains or losses as other comprehensive income or loss. In 2007, the fair value of the interest rate swaps was based on settlement prices provided by the counterparties. Beginning in 2008 in connection with the adoption of FAS No. 157, the fair value of the swaps is based on the present value of expected future cash flows, which reflects assumptions about current interest rates and the creditworthiness of the Company that market participants would use in pricing the swaps.

Foreign currency forward contracts. We manage foreign currency risks principally by entering into forward contracts to mitigate the impact of currency fluctuations on transactions. We mark these contracts to fair value based on market prices for comparable contracts and recognize the resulting gains or losses in net foreign currency gains or losses.

Raw material commodity swaps. We hedge a portion of our exposure to changes in the pricing of certain raw material commodities principally using swap arrangements that allow us to fix the price of the commodities for future purchases. We mark these contracts to fair value based on market prices for comparable contracts and recognize the resulting gains or losses as other comprehensive income or loss. After the contracts mature and the materials are sold, the gains and losses are recognized as part of cost of sales.

Precious metals forward contracts. We enter into forward purchase arrangements with precious metals suppliers to completely cover the value of fixed price sales contracts for products with precious metal content. Some of these agreements, with purchase commitments totaling \$13.8 million at March 31, 2008, are designated as normal purchase contracts and are not marked to fair value. We mark the remaining precious metal contracts to fair value based on market prices for comparable contracts and recognize the resulting gains or losses as miscellaneous income or expense.

8. Income Taxes

Income tax expense for the three months ended March 31, 2008 was \$7.1 million or 43.6% of pre-tax income compared with \$4.5 million or 42.1% in the prior-year quarter ended March 2007. The primary reasons for the increase in the effective tax rate were a change in the mix of income by country, a relatively high level of current year earnings repatriated from outside the United States and an increase in the valuation allowance, net of adjustments to prior year accruals, of \$0.6 million.

During the first quarter of 2008, we allocated income tax expense (benefit) directly to shareholders equity for the following items: 0.5 million for raw material commodity swap adjustments, (1.4) million for interest rate swap adjustments, and 0.2 million for the adjustments to initially apply FAS No. 158. During the first quarter of 2007, we allocated income tax expense (benefit) directly to shareholders equity for the following items: 0.2 million for postretirement benefit liability adjustments and (0.2) million for raw material commodity swap adjustments.

The Company conducts business globally, and, as a result, the U.S. parent company and its subsidiaries file income tax returns in the U.S. federal jurisdiction and various state and foreign jurisdictions. In the normal course of business, the U.S. parent company and its subsidiaries are subject to examination by taxing authorities throughout the world, including Spain, France, Germany, Netherlands, Italy, Japan, Portugal, and the United Kingdom. With few exceptions, we are not subject to federal, state, local or non-U.S. income tax examinations for years before 2000.

9. Contingent Liabilities

In February 2003, we were requested to produce documents in connection with an investigation by the United States Department of Justice into possible antitrust violations in the heat stabilizer industry. In April 2006, we were notified by the Department of Justice that the Government had closed its investigation and that the Company was relieved of any obligation to retain documents that were responsive to the Government searlier document request. Before closing its investigation, the Department of Justice took no action against the Company or any of its current or former employees. The Company was previously named as a defendant in several lawsuits alleging civil damages and requesting injunctive relief relating to the conduct the Government was investigating. We entered into a verbal agreement in June 2007 and a definitive written settlement agreement in July 2007 with the direct purchasers in one of these class action civil lawsuits related to alleged antitrust violations in the heat stabilizer industry. The settlement agreement was approved by the United States District Court for the Eastern District of Pennsylvania in

December 2007. Although the Company decided to bring this matter to a close

through settlement, the Company did not admit to any of the alleged violations and continues to deny any wrongdoing. The Company is vigorously defending the remaining two civil actions alleging antitrust violations in the heat stabilizer industry, which are in their preliminary stages; therefore, we cannot determine the outcomes of these lawsuits at this time. In December 2006, we filed a lawsuit against the former owner of our heat stabilizer business seeking indemnification for the defense of these lawsuits and any resulting payments by the Company. These payments include approximately \$6.3 million to the class of direct purchasers and a plaintiff that opted out of the class of direct purchasers and entered into a separate settlement agreement with the Company. In April 2008, the United States District Court for the Northern District of Ohio dismissed our lawsuit, and we have appealed the court s decision to the Sixth Circuit Court of Appeals.

In October 2004, the Belgian Ministry of Economic Affairs Commercial Policy Division (the Ministry) served on our Belgian subsidiary a mandate requiring the production of certain documents related to an alleged cartel among producers of butyl benzyl phthalate (BBP) from 1983 to 2002. Subsequently, German and Hungarian authorities initiated their own national investigations related to the same allegations. In December 2005, the Hungarian authorities imposed a de minimis fine on our Belgian subsidiary; in October 2007, the German authorities imposed a fine of approximately \$0.6 million; and in April 2008, the Belgian authorities imposed a fine of approximately \$0.3 million. We do not expect further actions from these authorities.

There are various other lawsuits and claims pending against the Company and its consolidated subsidiaries. In our opinion, the ultimate liabilities, if any, and expenses resulting from such lawsuits and claims will not materially affect the consolidated financial position, results of operations, or cash flows of the Company.

The Company had bank guarantees and standby letters of credit issued by financial institutions, which totaled \$18.2 million at March 31, 2008, and \$17.7 million at December 31, 2007. These agreements primarily relate to Ferro s insurance programs, potential environmental remediation liabilities, and foreign tax payments. If the Company fails to perform its obligations, the guarantees and letters of credit may be drawn down by their holders, and we would be liable to the financial institutions for the amounts drawn.

10. Retirement Benefits

Information concerning net periodic benefit costs of our U.S. pension plans (including our unfunded nonqualified plans), non-U.S. pension plans, and postretirement health care and life insurance benefit plans for the three months ended March 31 is as follows:

	U.S. Pens	ion Plans	Non-U.S. Pension Plans		Other I Pla	
	2008	2007	2008	2007	2008	2007
			(Dollars in t	housands)		
Components of net periodic						
cost:						
Service cost	\$ 50	\$ 316	\$ 1,501	\$ 1,592	\$ 16	\$ 152
Interest cost	5,177	5,028	2,939	2,260	731	859
Expected return on plan assets	(5,663)	(5,123)	(2,133)	(1,791)		
Amortization of prior service						
cost	25	40	24	27	(411)	(293)
Net amortization and deferral	624	1,476	57	141		
Curtailment and settlement						
effects		250				
Net periodic benefit cost	\$ 213	\$ 1,987	\$ 2,388	\$ 2,229	\$ 336	\$ 718

The change in net periodic cost is due primarily to restructuring activities related to closing the Company s Niagara Falls, New York, and Rotterdam, The Netherlands, manufacturing facilities, the freezing of pension benefits at several U.S. plants, and the limiting of eligibility for retiree medical and life insurance coverage for nonunion employees. In

the first quarter of 2007, we recorded curtailment losses of \$0.3 million for pension benefits related to the Niagara Falls, New York, closing.

11. Stock-Based Compensation

The following table contains the total stock-based compensation expense recorded in selling, general and administrative expense for the three months ended March 31:

	2008 (Dolla	2007 rs in thousands)
Stock options	\$ 48	6 \$ 812
Performance shares	4	5 509
Deferred stock units	12	7 111
Restricted shares	4	1
Total	\$ 69	9 \$ 1,432

The following table contains information regarding the stock-based compensation as of and for the three month period ended March 31, 2008:

			Aggregate Grant Date Fair Value		
	Number of	Weighted- Average	of	Remaining	
	Shares or Units	Fair Shares or Value per Units Share or		Service or Performance	
	Granted	Unit	Granted (Dollars in	Period	
			thousands)	(In years)	
Stock options	479,300	\$ 4.18	\$ 2,003	3.9	
Performance shares	76,825	17.26	1,326	2.9	
Deferred stock units	34,200	16.69	571	0.9	
Restricted shares	92,400	17.26	1,595	2.9	

The stock-based compensation transaction in shareholders equity consisted of the following for the three months ended March 31, 2008:

	Common Shares in Treasury		
	Shares	Amount	Capital
		(In thousands)	
Stock options		\$ 427	\$ 59
Performance shares, net	(77)	1,390	(1,217)
Deferred stock units		127	
Directors deferred compensation		(462)	462
Preferred stock conversions	(47)	243	1
Restricted shares	(92)	1,714	(1,673)
Total	(216)	\$ 3,439	\$ (2,368)

Restricted Share Awards

Under the 2006 Long-Term Incentive Plan, the Company may award restricted shares of Ferro common stock. The restricted shares vest in three years from the date of the award and are forfeited if the recipient s employment terminates, except in the case of death or disability. During the vesting period, the recipient is not entitled to exercise rights pertaining to the restricted shares, including the right to vote such shares, and dividends on the restricted shares are deferred without interest. Following the vesting period, the recipient may not dispose of the shares for two years, without Ferro s prior written consent. The first restricted shares were awarded in 2008.

12. Restructuring and Cost Reduction Programs

During 2008, we continued several restructuring programs across a number of our business segments with the objectives of leveraging our global scale, realigning and lowering our cost structure and optimizing capacity utilization. The programs are primarily associated with North America and Europe. Management continues to evaluate our business, and therefore, there may be supplemental provisions for new plan initiatives as well as changes in estimates to amounts previously recorded, as payments are made or actions are completed.

In July 2006, we announced that we were restructuring our European operations, including a portion of our Performance Coatings and Color and Glass Performance Materials segments. This program affected operations in Spain, Italy, Portugal, France, and Germany. We expect these actions to significantly reduce the cost structure of our manufacturing operations. As a result of these activities, since July 2006, we reduced our workforce by approximately 115 employees and are evaluating further workforce reductions. Revised total anticipated charges through 2009 amount to \$17.3 million. Charges incurred through 2007 amounted to \$9.0 million. The first-quarter 2008 restructuring charges include \$0.6 million for employee severance costs and \$0.1 million of accrual reversals.

In May 2007, we initiated discussions with representatives of workers at our Rotterdam, The Netherlands, Porcelain Enamel manufacturing site regarding possible restructuring actions. In September 2007, we reached an agreement with the Rotterdam Works Council. As a result, the Company will discontinue porcelain enamel frit manufacturing at its Rotterdam facility in 2008 and will consolidate production at other European facilities. This consolidation will result in the reduction of 84 employees. Restructuring charges are expected to total \$25.0 million with completion anticipated by the end of the third quarter 2008. During 2007, we recorded \$11.8 million in restructuring charges and an additional \$0.5 million for inventory write downs included in cost of sales. During the first quarter of 2008, we recorded \$1.0 million for employee severance costs, \$1.5 million for future minimum lease obligations and \$0.1 million in other costs.

In November 2007 and March 2008, we initiated additional restructuring plans for our Performance Coatings and Color and Glass Performance Materials segments. These restructuring plans will result in the reduction of approximately 84 employees. Total estimated employee termination charges through 2008 are \$5.3 million. During 2007, we recorded total charges of \$1.4 million. In the first quarter of 2008, we recorded \$0.7 million of additional restructuring charges.

In February 2008, we announced the closing of a Plastics facility in Aldridge, United Kingdom. This closure resulted in the reduction of 8 employees at the anticipated cost of \$1.1 million. During the first quarter of 2008, we recorded \$0.2 million in severance costs and \$0.2 million in lease termination costs.

We have summarized the activities and accrual balances related to our restructuring and cost reduction programs below:

	Employee Termination	Other	
	Benefits	Costs	Total
	(Doll	ars in thousa	nds)
Balance, December 31, 2007	\$ 8,381	\$ 1,560	\$ 9,941
Restructuring charges	2,421	1,786	4,207
Cash payments	(4,336)	(348)	(4,684)
Currency translation adjustment	500	212	712
Non-cash items	(82)		(82)
Balance, March 31, 2008	\$ 6,884	\$ 3,210	\$ 10,094

We expect to make cash payments to settle the remaining liability for employee termination benefits and other costs primarily within the next twelve months, except where legal or contractual restrictions prevent us from doing so.

13. Discontinued Operations

Discontinued operations relate to the Powder Coatings, Petroleum Additives and Specialty Ceramics businesses that we sold in 2002 and 2003. There were no sales, income before taxes or related tax expense, or cash flows from investing or financing activities from discontinued operations in the three months ended March 31, 2008 or 2007. The loss from discontinued operations includes ongoing legal costs and reserve adjustments directly related to discontinued operations. The loss from discontinued operations resulted in the following pre-tax loss and related income tax benefit for the three months ended March 31:

	2008	2007
	(Dollars	in thousands)
Pre-tax loss Tax benefit	\$ 41 16	\$ 256 100
Net of tax loss	\$ 25	\$ 156

We have continuing environmental remediation obligations that are related to these divestitures, and we had accrued \$3.3 million at March 31, 2008, and \$3.3 million at December 31, 2007, for these matters.

14. Earnings per Share

Details of the calculation of basic and diluted earnings per share for the three months ended March 31 are shown below:

	ex	2008 (In tho ccept per sl	ousands	-
Basic earnings per share computation: Net income available to common shareholders Add back: Loss from discontinued operations	\$	8,913 25	\$	5,793 156
	\$	8,938	\$	5,949
Weighted-average common shares outstanding		43,160		42,708
Basic earnings per share from continuing operations	\$	0.21	\$	0.14
Diluted earnings per share computation: Net income available to common shareholders Add back: Loss from discontinued operations Plus: Convertible preferred stock	\$	8,913 25	\$	5,793 156
	\$	8,938	\$	5,949
Weighted-average common shares outstanding Assumed exercise of stock options		43,160		42,708
Assumed satisfaction of performance share conditions Assumed satisfaction of deferred stock unit conditions Assumed conversion of convertible preferred stock		75 3		55 5

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Weighted-average diluted shares outstanding		4	3,238	42,7	'68
Diluted earnings per share from continuing operations		\$	0.21	\$ 0.	.14
	16				

15. Comprehensive Income

The components of comprehensive income for the three months ended March 31 were as follows:

	2008	2007
	(Dollars in t	thousands)
Net income	\$ 9,140	\$ 6,079
Other comprehensive income, net of tax:		
Foreign currency translation adjustments	21,529	6,900
Postretirement benefit liability adjustments	(375)	263
Raw material commodity swap adjustments	848	(391)
Interest rate swap adjustments	(2,603)	
Comprehensive income	\$28,539	\$12,851

16. Reporting for Segments

The Company has six reportable segments: Performance Coatings, Electronic Materials, Color and Glass Performance Materials, Polymer Additives, Specialty Plastics and Other businesses. We have combined our Tile Coating Systems and Porcelain Enamel business units into one reportable segment, Performance Coatings, based on their similar economic and operating characteristics. We have also combined two of our segments, Pharmaceuticals and Fine Chemicals, because they do not meet the quantitative thresholds for separate disclosure.

The accounting policies of our segments are consistent with those described for our consolidated financial statements in the summary of significant accounting policies contained in our Annual Report on Form 10-K for the year ended December 31, 2007. We measure segment income for internal reporting purposes as net operating profit before interest and taxes. Segment income excludes unallocated corporate expenses and charges associated with restructuring and cost reduction programs. Unallocated corporate expenses primarily consist of corporate employment costs and professional services.

Net sales to external customers by segment for the three months ended March 31 are presented in the table below. Sales between segments were not material:

	2008	2007
	(Dollars in	thousands)
Performance Coatings	\$ 160,792	\$138,815
Electronic Materials	140,993	112,944
Color and Glass Performance Materials	128,840	105,700
Polymer Additives	92,311	82,513
Specialty Plastics	61,793	66,961
Other Businesses	22,527	22,772
Total net sales	\$ 607,256	\$ 529,705

Below are each segment s income and reconciliations to income before taxes from continuing operations for the three months ended March 31:

	2008 (Dollars in	2007 thousands)
Performance Coatings	\$ 9,480	\$ 10,683
Electronic Materials	8,749	6,083
Color and Glass Performance Materials	15,436	15,067
Polymer Additives	2,719	3,106
Specialty Plastics	1,487	3,139
Other Businesses	3,845	3,691
Total segment income	41,716	41,769
Unallocated corporate expenses	7,054	13,746
Restructuring charges	4,207	1,531
Other expense, net	14,209	15,723
Income before income taxes from continuing operations	\$ 16,246	\$ 10,769

We sell our products throughout the world, and we attribute sales to countries based on the country where we generate the customer invoice. We have detailed net sales by geographic region for the three months ended March 31 in the table below:

	2008	2007		
	(Dollars in	(Dollars in thousands)		
United States	\$ 252,274	\$238,406		
International	354,982	291,299		
Total net sales	\$ 607,256	\$ 529,705		

Item 2. Management s Discussion and Analysis of Financial Condition and Results of Operations *Overview*

Net income for the three months ended March 31, 2008, was \$9.1 million, up 50.4% from \$6.1 million in the first three months of 2007. Earnings increased primarily as a result of higher sales that resulted in increased gross profit, lower interest expense, a gain from foreign currency transactions and lower selling, general and administrative expenses. These increases were partially offset by higher restructuring expenses.

In the quarter, net sales increased by 14.6% as a result of higher sales in Electronic Materials, Color and Glass Performance Materials, Performance Coatings and Polymer Additives. Sales in Specialty Plastics and Other Businesses declined from the first quarter of 2007.

Raw material costs increased in the quarter, compared with the prior-year period, resulting in gross profit growing more slowly than sales. Cost increases affected materials such as bismuth, cobalt, chrome, soybean oil, and tallow that are used in many of our products. Increased precious metal prices also increased sales and the cost of goods sold, as precious metal costs are generally passed through to customers with minimal gross profit contribution.

Selling, general and administrative (SG&A) expense was essentially flat in the first quarter of 2008. Combined with the higher sales, SG&A declined to 13.0% of sales, compared with 14.9% in the first quarter of 2007. Selling, general and administrative costs increased primarily as a result of changes in foreign currency exchange rates, offset by the beneficial effects of prior restructuring and other expense reduction efforts across the business and favorable litigation developments.

Interest expense declined in the three months ending March 31, 2008, compared with the first three months of 2007 as a result of lower average borrowing levels and lower interest rates. In addition, in the first quarter of 2007, we recorded a \$2.0 million write-off of unamortized fees associated with an unused portion of our term loan arrangements.

Inventories, accounts receivable and accounts payable increased in the first three months of 2008, as a result of the higher sales in the quarter and the effects of changes in foreign currency exchange rates. *Outlook*

Economic conditions continue to be mixed, with an outlook for slower general economic growth in most markets. Markets in the United States that are related to residential housing, automobiles and automotive parts, and appliances are expected to continue a pattern of weak demand that existed in 2007. This market weakness is expected to affect the volume of products sold in our Specialty Plastics, Polymer Additives, Color and Glass Performance Materials, and Performance Coatings segments. Markets outside of the United States are generally stronger, although rates of growth are expected to be lower than levels experienced in 2007.

We expect to continue to record charges associated with our current and future restructuring programs, particularly related to our rationalization of the manufacturing assets in our European operations.

Factors that could adversely affect the Company s future financial performances are contained within Risk Factors included under Item 1A in the Company s Annual Report on Form 10-K for the year ended December 31, 2007.

Results of Operations

Comparison of the three months ended March 31, 2008 and 2007

	Three months ended March 31,							
						\$	%	
		2008		2007		Change	Change	
	(Dollars in thousands,							
	except per share amounts)							
Net sales		607,256		529,705	\$	77,551	14.6%	
Cost of sales	4	93,937	2	422,925		71,012	16.8%	
Gross profit	1	13,319		106,780		6,539	6.1%	
Gross profit percentage		18.7%		20.2%				
Selling, general and administrative expenses		78,657		78,757		(100)	(0.1%)	
Restructuring charges		4,207		1,531		2,676	174.8%	
Other expense (income):								
Interest expense		14,029		17,446		(3,417)	(19.6%)	
Interest earned		(129)		(965)		836	(86.6%)	
Foreign currency (gains) losses, net		(1,541)		511		(2,052)	(401.6%)	
Miscellaneous expense (income), net		1,850		(1,269)		3,119	(245.8%)	
Income before taxes		16,246		10,769		5,477	50.9%	
Income tax expense		7,081		4,534		2,547	56.2%	
Income from continuing operations Loss on disposal of discontinued operations, net		9,165		6,235		2,930	47.0%	
of tax		25		156		(131)	(84.0%)	
Net income	\$	9,140	\$	6,079	\$	3,061	50.4%	
Diluted earnings per share	\$	0.21	\$	0.14	\$	0.07	50.0%	

Sales in the quarter ended March 31, 2008, increased by 14.6%, driven by increased product pricing and favorable changes in foreign exchange rates. Volume contributed modestly to sales growth in the quarter, with higher sales volumes in Electronic Materials, Performance Coatings and Color and Glass Performance Materials partially offset by the effects of lower sales volumes in Polymer Additives and Specialty Plastics. Sales grew in all regions, led by growth in Asia and Europe.

Gross profit was higher in the first quarter of 2008 as a result of higher sales and manufacturing cost reduction programs, partially offset by higher raw material costs. Gross profit was reduced by \$0.2 million in the quarter as a result of accelerated depreciation charges associated with our manufacturing rationalization programs. Charges, primarily for manufacturing rationalization activities, reduced gross profit by \$2.2 million in the first three months of 2007. During the first quarter of 2008 we also incurred additional costs of approximately \$3.3 million associated with the manufacturing interruption that occurred at our Bridgeport, New Jersey, manufacturing plant in December 2007. These costs are included in the results for the Polymer Additives segment. Gross margin, as a percent of sales, was negatively impacted by higher raw material costs, including precious metal costs, which are generally passed through to customers with minimal gross profit contribution.

Selling, general and administrative (SG&A) expenses declined to 13.0% of sales in the first quarter from 14.9% of sales in the first quarter of 2007. SG&A expense increased primarily as a result of changes in foreign currency exchange rates. This increase was offset as a result of previous expense reduction efforts across our businesses, a favorable variation in period health care costs and lower pension expense resulting from previously implemented benefit plan changes. During the first quarter of 2008, SG&A expense included a net benefit of \$0.4 million, primarily from favorable litigation developments, partially offset by expenses related to corporate development activities. Charges of \$0.3 million, primarily related to corporate development activities, were included in the 2007 first quarter SG&A expense.

Restructuring charges of \$4.2 million were recorded in the first three months of 2008, compared with charges of \$1.5 million in the first quarter of 2007. The 2008 charges were primarily related to our manufacturing rationalization activities in our Performance Coatings and Color and Glass Performance Materials segments in Europe.

Interest expense was lower in the three months ended March 31, 2008. In the first quarter of 2007, we recorded a non-recurring \$2.0 million write-off of unamortized fees associated with an unused portion of our term loan arrangements. In the first quarter of 2008, our average borrowing levels were lower and the interest rate on our revolving credit facility was lower than in the prior-year period.

Miscellaneous expense was \$1.9 million in the first three months of 2008, compared with miscellaneous income of \$1.3 million in the prior-year period. We recorded expenses of \$0.8 million on forward contracts during the first quarter of 2008, mostly related to precious metals. In the first quarter of 2007, we recorded income of \$0.5 million related to forward contracts. The first quarter of 2007 also included a \$1.9 million gain on the sale of property, which did not recur in 2008.

Income tax expense for the three months ended March 31, 2008 was \$7.1 million or 43.6% of pre-tax income compared with \$4.5 million or 42.1% in the prior-year quarter ended March 2007. The primary reasons for the increase in the effective tax rate were a change in the mix of income by country and a relatively high level of current year earnings repatriated from outside the United States.

There were no new businesses included in discontinued operations in the first quarter of 2008.

	Three moi Marc			
				%
	2008	2007	\$ Change	Change
	(Do			
Segment Sales				
Performance Coatings	\$160,792	\$138,815	\$ 21,977	15.8%
Electronic Materials	140,993	112,944	28,049	24.8%
Color & Glass Performance Materials	128,840	105,700	23,140	21.9%
Polymer Additives	92,311	82,513	9,798	11.9%
Specialty Plastics	61,793	66,961	(5,168)	(7.7%)
Other Businesses	22,527	22,772	(245)	(1.1%)
Total segment sales	\$607,256	\$ 529,705	\$ 77,551	14.6%
Segment Operating Income				
Performance Coatings	\$ 9,480	\$ 10,683	\$ (1,203)	(11.3%)
Electronic Materials	8,749	6,083	2,666	43.8%
Color & Glass Performance Materials	15,436	15,067	369	2.4%
Polymer Additives	2,719	3,106	(387)	(12.5%)
Specialty Plastics	1,487	3,139	(1,652)	(52.6%)
Other Businesses	3,845	3,691	154	4.2%
Total segment operating income	\$ 41,716	\$ 41,769	\$ (53)	(0.1%)

Performance Coatings Segment Results. Sales increased in Performance Coatings due to higher sales of tile coatings and porcelain enamel products. The sales increase was driven by higher volume and favorable changes in foreign currency exchange rates, partially offset by a less favorable mix of products. Sales grew in Europe, Asia and Latin America and declined in the United States. Operating income declined during the first quarter, as the result of lower income from porcelain enamel products. For the quarter, the effects of higher raw material costs and lower sales

volume in porcelain enamel offset the positive effects of higher product prices and increased tile coatings sales volume.

Electronic Materials Segment Results. Sales grew in Electronic Materials reflecting continued robust demand for metal pastes and powders and, to a lesser extent, surface finishing materials, and favorable changes in foreign currency exchange rates. Sales growth was the greatest in Asia and the United States, while sales declined in Europe, primarily as a result of

lower sales of dielectric materials sourced from our European manufacturing site. Operating income increased as a result of the positive effects of higher sales volumes, a more favorable product mix and benefits from prior-period manufacturing restructuring activities.