

GSE SYSTEMS INC
Form 10-Q
November 14, 2017
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 September 30, 2017

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 001-14785

GSE Systems, Inc.
(Exact name of registrant as specified in its charter)

Delaware 52-1868008
(State of incorporation) (I.R.S. Employer Identification Number)

1332 Londontown Blvd., Suite 200, Sykesville MD 21784
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (410) 970-7800

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Sections 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 [X]
No []

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

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

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

(Do not check if a smaller reporting company)

Emerging growth company

Indicate by check mark whether the registrant is a shell company (as defined in rule 12(b)-2 of the Exchange Act).

Yes [] No [X]

There were 19,399,056 shares of common stock, with a par value of \$0.01 per share outstanding as of October 31, 2017.

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 QUARTERLY REPORT ON FORM 10-Q
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PART I - FINANCIAL INFORMATION

Item 1. Financial Statements

GSE SYSTEMS, INC. AND SUBSIDIARIES

CONSOLIDATED BALANCE SHEETS

(in thousands, except share and per share data)

	September 30, 2017	December 31, 2016
	(unaudited)	
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 15,525	\$21,747
Restricted cash	960	1,140
Contract receivables, net	18,616	18,863
Prepaid expenses and other current assets	2,956	2,052
Total current assets	38,057	43,802
Equipment, software, and leasehold improvements	7,149	6,759
Accumulated depreciation	(5,997)	(5,527)
Equipment, software, and leasehold improvements, net	1,152	1,232
Software development costs, net	756	982
Goodwill	7,130	5,612
Intangible assets, net	3,654	454
Other assets	289	1,574
Total assets	\$ 51,038	\$53,656
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Accounts payable	\$ 676	\$923
Accrued expenses	2,967	2,437
Accrued compensation	3,418	2,624
Billings in excess of revenue earned	16,131	21,444
Accrued warranty	1,260	1,137
Contingent consideration	1,691	2,105
Other current liabilities	867	716
Total current liabilities	27,010	31,386
Other liabilities	1,515	1,149
Total liabilities	28,525	32,535
Commitments and contingencies		
Stockholders' equity:		
Preferred stock \$0.01 par value, 2,000,000 shares authorized, no shares issued and outstanding	-	-
Common stock \$0.01 par value, 30,000,000 shares authorized, 20,977,230 and 20,433,608 shares issued and 19,378,319 and 18,834,697 shares outstanding in 2017 and 2016	210	204
Additional paid-in capital	76,231	75,120
Accumulated deficit	(49,471)	(49,427)
Accumulated other comprehensive loss	(1,458)	(1,777)
Treasury stock at cost, 1,598,911 shares in 2017 and 2016	(2,999)	(2,999)

Total stockholders' equity	22,513	21,121
Total liabilities and stockholders' equity	\$ 51,038	\$ 53,656

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

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GSE SYSTEMS, INC. AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF OPERATIONS

(in thousands, except per share data)
(Unaudited)

	Three months ended September 30, 2017		Nine months ended September 30, 2016	
Revenue	\$15,409	\$14,428	\$48,876	\$39,820
Cost of revenue	11,185	10,430	35,513	28,329
Gross profit	4,224	3,998	13,363	11,491
Operating expenses:				
Selling, general and administrative	4,374	2,936	11,740	8,606
Research and development	353	381	1,103	1,010
Restructuring charges	-	85	45	487
Depreciation	79	91	254	294
Amortization of definite-lived intangible assets	50	72	148	219
Total operating expenses	4,856	3,565	13,290	10,616
Operating (loss) income	(632)	433	73	875
Interest income, net	15	11	60	52
Gain (loss) on derivative instruments, net	71	(211)	226	(346)
Other income (expense), net	33	15	(4)	112
(Loss) income before income taxes	(513)	248	355	693
Provision for income taxes	92	80	399	275
Net (loss) income	\$(605)	\$168	\$(44)	\$418
Basic (loss) earnings per common share	\$(0.03)	\$0.01	\$0.00	\$0.02
Diluted (loss) earnings per common share	\$(0.03)	\$0.01	\$0.00	\$0.02

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

GSE SYSTEMS, INC. AND SUBSIDIARIES
 CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)
 (in thousands)
 (Unaudited)

	Three months ended		Nine months ended	
	September 30,		September 30,	
	2017	2016	2017	2016
Net (loss) income	\$(605)	\$168	\$(44)	\$418
Foreign currency translation adjustment	192	(50)	319	(152)
Comprehensive (loss) income	\$(413)	\$118	\$275	\$266

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

GSE SYSTEMS, INC. AND SUBSIDIARIES
CONSOLIDATED STATEMENT OF CHANGES IN STOCKHOLDERS' EQUITY
(in thousands)
(Unaudited)

	Common Stock		Additional Paid-in Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Treasury Stock		Total
	Shares	Amount				Shares	Amount	
Balance, January 1, 2017	20,434	\$204	\$ 75,120	\$ (49,427)	\$ (1,777)	(1,599)	\$(2,999)	\$21,121
Stock-based compensation expense	-	-	1,793	-	-	-	-	1,793
Common stock issued for options exercised	160	2	274	-	-	-	-	276
Common stock issued for RSUs vested	383	4	(4)	-	-	-	-	-
Vested RSU shares withheld to pay taxes	-	-	(952)	-	-	-	-	(952)
Foreign currency translation adjustment	-	-	-	-	319	-	-	319
Net income	-	-	-	(44)	-	-	-	(44)
Balance, September 30, 2017	20,977	\$210	\$ 76,231	\$ (49,471)	\$ (1,458)	(1,599)	\$(2,999)	\$22,513

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

GSE SYSTEMS, INC. AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS
(in thousands)
(Unaudited)

	Nine months ended September 30, 2017	2016
Cash flows from operating activities:		
Net (loss) income	\$ (44)	\$ 418
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation	254	294
Amortization of definite-lived intangible assets	148	219
Amortization of capitalized software development costs	352	296
Change in fair value of contingent consideration	436	(370)
Stock-based compensation expense	1,873	900
Bad debt expense	118	-
(Gain)/loss on derivative instruments, net	(226)	346
Deferred income taxes	78	96
Loss on sale of equipment, software, and leasehold improvements	-	3
Changes in assets and liabilities:		
Contract receivables, net	5,318	(3,616)
Prepaid expenses and other assets	770	(269)
Accounts payable, accrued compensation, and accrued expenses	(911)	2,254
Billings in excess of revenue earned	(5,204)	3,183
Accrued warranty	112	(80)
Other liabilities	359	208
Cash provided by operating activities	3,433	3,882

Cash flows from investing activities:		
Proceeds from sale of equipment, software and leasehold improvements	-	30
Capital expenditures	(64)	(53)
Capitalized software development costs	(126)	(196)
Acquisition of Absolute Consulting, Inc., net of cash acquired	(8,455)	-
Restrictions of cash as collateral under letters of credit	-	(4)
Releases of cash as collateral under letters of credit	180	254
Cash (used in) provided by investing activities	(8,465)	31
Cash flows from financing activities:		
Proceeds from issuance of common stock on the exercise of stock options	276	594
Contingent consideration payments to Hyperspring, LLC	(850)	(1,421)
RSUs withheld to pay taxes	(952)	-
Cash used in financing activities	(1,526)	(827)
Effect of exchange rate changes on cash	336	(77)
Net (decrease) increase in cash and cash equivalents	(6,222)	3,009
Cash and cash equivalents at beginning of year	21,747	11,084
Cash and cash equivalents at end of period	\$ 15,525	\$ 14,093

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

GSE SYSTEMS, INC. AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
(Unaudited)

1. Summary of Significant Accounting Policies

Basis of Presentation

The consolidated interim financial statements included herein have been prepared by GSE Systems, Inc. (the "Company," "GSE," "we," "us," or "our") and are unaudited. In the opinion of the Company's management, all adjustments and reclassifications of a normal and recurring nature necessary to present fairly the financial position, results of operations and cash flows for the periods presented have been made. Certain information and footnote disclosures normally included in financial statements prepared in accordance with U.S. generally accepted accounting principles ("U.S. GAAP") have been condensed or omitted. The results of operations for interim periods are not necessarily an indication of the results for the full year. These consolidated financial statements should be read in conjunction with the consolidated financial statements and notes thereto included in the Company's Annual Report on Form 10-K for the year ended December 31, 2016, filed with the Securities and Exchange Commission on March 28, 2017. Certain reclassifications have been made to prior period amounts to conform to the current presentation. The Company reclassified research and development costs from selling, general and administrative expenses and presented them as a separate caption within operating expenses on the consolidated statements of operations. In addition, the Company also reclassified the stock-based compensation related to management/employees from cost of revenue and research and development expenses to selling, general and administrative expenses.

The Company has two reportable segments as follows:

Performance Improvement Solutions (approximately 62% of revenue)

Our Performance Improvement Solutions segment primarily encompasses our power plant high-fidelity simulation solutions, as well as engineering solutions and interactive computer based tutorials/simulation focused on the process industry. This segment includes various simulation products, engineering services, and operation training systems delivered across the industries we serve: primarily nuclear and fossil fuel power generation, as well as the process industries. Our simulation solutions include the following: (1) simulation software and services, including operator training systems, for the nuclear power industry, (2) simulation software and services, including operator training systems, for the fossil power industry, and (3) simulation software and services for the process industries used to teach fundamental industry processes and control systems to newly hired employees and for ongoing workforce development and training. GSE and its predecessors have been providing these services since 1976.

Nuclear Industry Training and Consulting (approximately 38% of revenue)

Nuclear Industry Training and Consulting provides highly specialized and skilled nuclear operations instructors, procedure writers, technical engineers, and other consultants to the nuclear power industry. These employees work at our clients' facilities under client direction. Examples of these highly skilled positions are senior reactor operations instructors, procedure writers, project managers, work management specialists, planners and training material developers. This business is managed through our subsidiaries Hyperspring and Absolute Consulting, Inc. The business model, management focus, margins and other factors clearly separate this business line from the rest of the Company's product and service portfolio. GSE and its predecessors have been providing these services since 1997.

On September 20, 2017, the Company acquired Absolute Consulting, Inc., now a wholly-owned subsidiary of GSE Performance Solutions, Inc., for \$8.9 million. Absolute Consulting, Inc. is a provider of technical consulting and staffing solutions to the global nuclear power industry and employs approximately 200 professionals with expertise in procedures writing, engineering, technical support, project management, training, project controls, and corrective actions. This acquisition brings a natural adjacency to GSE, fits well with our growth strategy, and benefits our customers from expanded capabilities and offerings. For reporting purposes, Absolute Consulting, Inc. was aggregated with Hyperspring into our Nuclear Industry Training and Consulting segment due to similarities in services provided including training and staff augmentation to the nuclear energy sector. In addition, both entities will report to the same management team and share support staff such as sales, recruiting and business development. As such, 100% of the goodwill acquired was allocated to the Nuclear Industry Training and Consulting segment.

Financial information about the two business segments is provided in Note 16 of the accompanying condensed consolidated financial statements.

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements as well as reported amounts of revenues and expenses during the reporting period. The Company's most significant estimates relate to revenue recognition on long-term contracts, allowance for doubtful accounts, product warranties, valuation of goodwill and intangible assets acquired, valuation of contingent consideration issued in business acquisitions, and the recoverability of deferred tax assets. Actual results could differ from these estimates and those differences could be material.

Revenue recognition

The Company recognizes revenue through fixed price contracts for the sale of uniquely designed/customized systems containing hardware, software and other materials which generally apply to the Performance Improvement Solutions segment and time and material contracts for Nuclear Industry Training and Consulting support and service agreements.

In accordance with Accounting Standards Codification (ASC) 605-35, Construction-Type and Production-Type Contracts (ASC 605), the Performance Improvement Solutions segment primarily accounts for revenue under fixed-price contracts using the percentage-of-completion method. This methodology recognizes revenue and earnings as work progresses on the contract and is based on costs incurred to date compared to total estimated cost to complete the project. Estimated contract earnings are reviewed and revised periodically as the work progresses, and the cumulative effect of any change in estimate is recognized in the period in which the change is identified. Estimated losses are charged against earnings in the period such losses are identified. We recognize revenue arising from contract claims either as income or as an offset against a potential loss only when the amount of the claim can be estimated reliably and realization is probable and there is a legal basis of the claim.

Uncertainties inherent in the performance of contracts include labor availability and productivity, material costs, change order scope and pricing, software modification and customer acceptance issues. The reliability of these cost estimates is critical to our revenue recognition as a significant change in the estimates can cause our revenue and related margins to change significantly from the amounts estimated in the early stages of the project.

As we recognize revenue under the percentage-of-completion method, we provide an accrual for estimated future warranty costs based on historical and projected claims experience. Our long-term contracts generally provide for a one-year warranty on parts, labor and any bug fixes as it relates to customized software embedded in the systems.

Our system design contracts do not normally provide for post contract support (PCS) in terms of software upgrades, software enhancements or telephone support. To obtain PCS, the customers must normally purchase a separate contract. Such PCS arrangements are generally for a one-year period renewable annually and include customer support, unspecified software upgrades, and maintenance releases. We recognize revenue from these contracts ratably over the term of the agreements.

Revenue from the sale of software licenses without other elements in the contract and which do not require significant modifications or customization for the Company's modeling tools are recognized when the license agreement is signed, the license fee is fixed and determinable, delivery has occurred, and collection is considered probable. We utilize written contracts to establish the terms and conditions by which product support and services are sold to customers. Delivery is considered to have occurred when title and risk of loss have been transferred to the customer, which generally occurs after a license key has been delivered to the customer.

We also recognize revenue from the sale of software licenses from contracts with multiple deliverables. These software license sales are evaluated under ASC 985-605, Software Revenue Recognition. Contracts with multiple element arrangements typically include, but are not limited to, components such as installation, training, licenses, and PCS listed in the contract. The Company concluded that vendor specific objective evidence does not exist for all elements of its software license sales. If a PCS or professional services element exists in the software license arrangement, revenue is recognized ratably over the longest service period. If no PCS or professional services element exists in the arrangement, revenue is deferred until the last undelivered element is delivered.

We recognize revenue under time and materials contracts primarily from the Nuclear Industry Training and Consulting segment and certain cost-reimbursable contracts. Revenue on time and material contracts is recognized as services are rendered and performed. Under a typical time-and-materials billing arrangement, customers are billed on

a regularly scheduled basis, such as biweekly or monthly. Any unbilled amounts are typically billed the following month. Under cost-reimbursable contracts, which are subject to a contract ceiling amount, we are reimbursed for allowable costs and paid a fee, which may be fixed or performance based. However, if costs exceed the contract ceiling or are not allowable under the provisions of the contract or applicable regulations, we may not be able to obtain reimbursement for all such costs.

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2. Recent Accounting Pronouncements

Accounting pronouncements recently adopted

In July 2015, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) No. 2015-11, Simplifying the Measurement of Inventory (ASU 2015-11). ASU 2015-11 requires that an entity measure inventory at the lower of cost and net realizable value. This ASU does not apply to inventory measured using the last-in, first-out method. ASU 2015-11 was effective for annual reporting periods beginning after December 15, 2016, including interim periods within that reporting period. We adopted ASU 2015-11 effective January 1, 2017. The adoption of this standard did not have a significant impact on our consolidated financial position, results of operations or cash flows.

In March 2016, the FASB issued ASU No. 2016-09, Compensation - Stock Compensation: Topic 718: Improvements to Employee Share Based Payment Accounting (ASU 2016-09). The new guidance is intended to simplify the accounting for share based payment award transactions. The amendments in the update include the following aspects for share based accounting: accounting for income taxes, classification of excess tax benefits on the statement of cash flows, forfeitures, minimum statutory tax withholding requirements, and classification of employee taxes paid on the statement of cash flows when an employer withholds shares for tax withholding purposes. The adoption of ASU 2016-09 was required for fiscal reporting periods beginning after December 15, 2016, including interim reporting periods within those fiscal years. We adopted ASU 2016-09 effective January 1, 2017. The adoption of this standard did not have a significant impact on our consolidated financial position, results of operations or cash flows.

Accounting pronouncements not yet adopted

In May 2014, the FASB issued ASU No. 2014-09, Revenue from Contracts with Customers (ASU 2014-09), which provides guidance for revenue recognition. The standard's core principle is that a company will recognize revenue when it transfers promised goods or services to customers in an amount that reflects the consideration to which the company expects to be entitled in exchange for those goods or services. In doing so, companies will need to use more judgment and make more estimates than under today's guidance. These may include identifying performance obligations in the contract, estimating the amount of variable consideration to include in the transaction price and allocating the transaction price to each separate performance obligation. This guidance will be effective for the Company for the fiscal year ending December 31, 2018, and interim periods therein, using either of the following transition methods: (i) a full retrospective approach reflecting the application of the standard in each prior reporting period with the option to elect certain practical expedients, or (ii) a retrospective approach with the cumulative effect of initially adopting ASU 2014-09 recognized at the date of adoption (which includes additional footnote disclosures). We are currently in the process of evaluating the impact of the adoption of this ASU on our consolidated financial statements. The adoption is expected to impact our revenue recognition and related disclosures. For example, our revenue from software arrangements with multiple elements including services are currently recognized ratably due to the lack of vendor-specific objective evidence ("VSOE") of fair value. We are currently evaluating these arrangements under the new revenue guidance to identify the distinct performance obligations and to determine the timing and pattern of recognition of each performance obligation. We are also evaluating other revenue streams, including power plant simulator design and build systems and training services. The Company will adopt the new standard on January 1, 2018 using the modified retrospective method.

In February 2016, the FASB issued ASU No. 2016-02, Leases. The new standard establishes a right-of-use (ROU) model that requires a lessee to record a ROU asset and a lease liability on the balance sheet for all leases with terms longer than 12 months. Leases will be classified as either finance or operating, with classification affecting the pattern of expense recognition in the income statement. The new standard is effective for fiscal years beginning after December 15, 2018, including interim periods within those fiscal years. A modified retrospective transition approach is required for lessees with capital and operating leases existing at, or entered into after, the beginning of the earliest

comparative period presented in the consolidated financial statements, with certain practical expedients available. We are still evaluating the impact of the pending adoption of the new standard on the consolidated financial statements, and we expect that, upon adoption, the recognition of ROU assets and lease liabilities could be material.

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In June 2016, the FASB issued ASU 2016-13, Financial Instruments – Credit Losses, which introduces new guidance for credit losses on instruments within its scope. The new guidance introduces an approach based on expected losses to estimate credit losses on certain types of financial instruments, including, but not limited to, trade and other receivables, held-to-maturity debt securities, loans and net investments in leases. The new guidance also modifies the impairment model for available-for-sale debt securities and requires the entities to determine whether all or a portion of the unrealized loss on an available-for-sale debt security is a credit loss. The standard also indicates that entities may not use the length of time a security has been in an unrealized loss position as a factor in concluding whether a credit loss exists. The ASU is effective for public companies for fiscal years beginning after December 15, 2019, and interim periods within those fiscal years. Early adoption is permitted for all entities for fiscal years beginning after December 15, 2018, including interim periods within those fiscal years. The Company is currently evaluating the effects, if any, that the adoption of this guidance will have on the Company's consolidated financial position, results of operations and cash flows.

In August 2016, the FASB issued ASU No. 2016-15, Classification of Certain Cash Receipts and Cash Payments (ASU 2016-15). The new guidance addresses eight specific cash flow issues and applies to all entities that are required to present a statement of cash flows. Adoption of ASU 2016-15 is required for fiscal reporting periods beginning after December 15, 2017, including interim reporting periods within those fiscal years. We are currently evaluating the potential impact of the adoption of ASU 2016-15 on our consolidated financial statements.

In November 2016, the FASB issued ASU No. 2016-18, Restricted Cash (ASU 2016-18). The new guidance applies to all entities that have restricted cash or restricted cash equivalents and are required to present a statement of cash flows. This update is intended to reduce diversity in cash flow presentation of restricted cash and restricted cash equivalents and requires entities to include all cash and cash equivalents, both restricted and unrestricted, in the beginning-of-period and end-of-period totals presented on the statement of cash flows. Adoption of ASU 2016-18 is required for fiscal reporting periods beginning after December 15, 2017, including interim reporting periods within those fiscal years. We are currently evaluating the potential impact of the adoption of ASU 2016-18 on our consolidated financial statements.

In January 2017, the FASB issued ASU No. 2017-01, Business Combinations: Clarifying the definition of a Business, which amends the current definition of a business. Under ASU 2017-01, to be considered a business, an acquisition would have to include an input and a substantive process that together significantly contributes to the ability to create outputs. ASU 2017-01 further states that when substantially all of the fair value of gross assets acquired is concentrated in a single asset (or a group of similar assets), the assets acquired would not represent a business. The new guidance also narrows the definition of the term "outputs" to be consistent with how it is described in ASC 606, Revenue from Contracts with Customers. The changes to the definition of a business will likely result in more acquisitions being accounted for as asset acquisitions. ASU 2017-01 is effective for acquisitions commencing on or after June 30, 2019, with early adoption permitted. Adoption of this guidance will be applied prospectively on or after the effective date.

In January 2017, the FASB issued ASU No. 2017-04, Simplifying the Test for Goodwill Impairment (ASU 2017-04). ASU 2017-04 simplifies the accounting for goodwill impairment by eliminating Step 2 of the current goodwill impairment test, which required a hypothetical purchase price allocation. Goodwill impairment will now be the amount by which the reporting unit's carrying value exceeds its fair value, limited to the carrying value of the goodwill. ASU 2017-04 is effective for financial statements issued for fiscal years, and interim periods beginning after December 15, 2019. We are currently evaluating the potential impact of the adoption of ASU 2017-04 on our consolidated financial statements.

In May 2017, the FASB issued ASU No. 2017-09, Compensation – Stock Compensation (ASU 2017-09). The new guidance is intended to provide clarity and reduce both (1) diversity in practice and (2) cost and complexity when applying the guidance on ASC 718, Compensation – Stock Compensation. Entities are required to apply modification

accounting for any change to an award, except for a change that is deemed to be purely administrative in nature. ASU 2017-09 provides guidance about which changes to the terms or conditions of a share-based award require an entity to apply modification accounting in ASC 718. The amendments in this update are effective for all entities and for annual periods, and interim periods within those annual periods, beginning after December 15, 2017. Early adoption is permitted. The amendments in this update should be applied prospectively to an award modified on or after the adoption date. We do not expect the adoption of this standard to have a significant impact on our consolidated financial position, results of operations or cash flows.

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3. Basic and Diluted Earnings per Common Share

Basic (loss) earnings per share is based on the weighted average number of outstanding common shares for the period. Diluted (loss) earnings per share adjusts the weighted average shares outstanding for the potential dilution that could occur if outstanding vested stock options were exercised.

The number of common shares and common share equivalents used in the determination of basic and diluted earnings per share were as follows:

(in thousands, except for share amounts)	Three months ended		Nine months ended	
	September 30, 2017	2016	September 30, 2017	2016
Numerator:				
Net (loss) income	\$(605)	\$168	\$(44)	\$418
Denominator:				
Weighted-average shares outstanding for basic (loss) income per share	19,280,770	18,230,148	19,204,778	18,052,019
Effect of dilutive securities:				
Stock options and restricted stock units	-	239,969	-	235,851
Adjusted weighted-average shares outstanding and assumed conversions for diluted (loss) income per share	19,280,770	18,470,117	19,204,778	18,287,870
Shares related to dilutive securities excluded because inclusion would be anti-dilutive	534,833	734,833	550,218	741,862

4. Acquisition

On September 20, 2017, GSE, through its wholly-owned subsidiary GSE Performance Solutions, Inc. ("Performance Solutions"), acquired 100% of the capital stock of Absolute Consulting, Inc. ("Absolute") for \$8.8 million pursuant to the Stock Purchase Agreement by and among Performance Solutions and the sellers of Absolute. The purchase price was subject to a customary working capital adjustment resulting in total consideration of \$8.9 million (subject to post-closing adjustment). An indemnification escrow of \$1.0 million was funded from the cash paid to the sellers and is available to GSE and Performance Solutions to satisfy indemnification claims until September 20, 2019. The acquisition of Absolute was completed on an all-cash transaction basis.

Absolute is a provider of technical consulting and staffing solutions to the global nuclear power industry. Located in Navarre, Florida, Absolute has established long-term relationships with blue-chip customers primarily in the nuclear power industry. The acquisition of Absolute is expected to strengthen the Company's global leadership in nuclear training and consulting solutions, add new capacities to our technical consulting and staffing solutions offerings and bring highly complementary customers, while deepening relationships with existing clients.

The following table summarizes the consideration paid to acquire Absolute and the preliminary fair value of the assets acquired and liabilities assumed at the date of the transaction. Due to the recent completion of the acquisition of Absolute, the Company recorded the assets acquired and liabilities assumed at their preliminary estimated fair value. As of September 30, 2017, the Company had not finalized the determination of the fair value allocated to various assets and liabilities, including, but not limited to, contract receivables, prepaid expenses and other current assets, property, and equipment, intangible assets, accrued expenses, accrued compensation and the residual amount allocated to goodwill. The following amounts except for Cash are all reflected in the Consolidated Statement of Cash Flow within the "Acquisition of Absolute Consulting, Inc., net of cash acquired" line caption.

(in thousands)

Total purchase price	\$8,910
Purchase price allocation:	
Cash	\$455
Contract receivables	5,121
Prepaid expenses and other current assets	70
Property, and equipment, net	102
Intangible assets	3,340
Accounts payable, accrued expenses, and other liabilities	(78)
Accrued compensation	(1,618)
Total identifiable net assets	7,392
Goodwill	1,518
Net assets acquired	\$8,910

The goodwill is primarily attributable to the additional capacities to offer broader solutions to new and existing customers and the expected enhanced cost and growth synergies as a result of the acquisition. The total amount of goodwill that is expected to be tax deductible is \$1.5 million. All of the \$1.5 million of goodwill was assigned to our Nuclear Industry Training and Consulting segment. As discussed above, the goodwill amount is provisional pending receipt of the final valuations for various assets and liabilities.

The fair value of the assets acquired includes gross trade receivables of \$5.1 million, of which the Company expects to collect in full. GSE did not acquire any other class of receivable as a result of the acquisition of Absolute.

The Company identified \$3.3 million of other intangible assets, including customer relationships, trademarks/names and non-compete agreements, with amortization periods of three to five years. The fair values of the intangible assets are provisional pending receipt of the final valuations for those assets.

Unaudited Pro Forma Financial Information

The acquired business contributed revenue of \$1.2 million and earnings of \$36,000 to GSE for the period from September 20, 2017 to September 30, 2017. The following unaudited pro forma summary presents consolidated information of GSE as if the business combination had occurred on January 1, 2016. The unaudited pro forma financial information was prepared based on historical financial information.

These pro forma amounts have been calculated after applying GSE's accounting policies and adjusting the results of Absolute to reflect the additional amortization that would have been charged assuming the fair value adjustments to intangible assets had been applied from January 1, 2016, with the consequential tax effects. In 2017, GSE has incurred \$0.5 million of acquisition-related costs. These expenses are included in general and administrative expense on GSE's consolidated statements of operations and are reflected in pro forma earnings for the nine months ended September 30, 2016, in the table below. The pro forma financial information is not intended to reflect the actual results of operations that would have occurred if the acquisition had been completed on January 1, 2016, nor is it intended to be an indication of future operating results.

	Three months ended September 30, 2017		Nine months ended September 30, 2016	
	2017	2016	2017	2016
	(unaudited and in thousands)			
Revenue	\$23,055	\$24,097	\$77,470	\$70,175
Net (loss) income	(293)	241	448	(69)

5. Contingent Consideration

Acquisitions may include contingent consideration payments based on future financial measures of an acquired company. Under ASC 805, "Business Combination", contingent consideration is required to be recognized at fair value as of the acquisition date. We estimate the fair value of these liabilities based on financial projections of the acquired companies and estimated probabilities of achievement. At each reporting date, the contingent consideration obligation is revalued to estimated fair value, and changes in fair value subsequent to the acquisition are reflected in income or expense in the consolidated statements of operations, and could cause a material impact to our operating results. Changes in the fair value of contingent consideration obligations may result from changes in discount periods and rates, changes in the timing and amount of revenue and/or earnings estimates, and changes in probability assumptions with respect to the likelihood of achieving the various earn-out criteria.

As of September 30, 2017 and December 31, 2016, contingent consideration, related to our acquisition of Hyperspring via an earnout, included in current liabilities totaled \$1.7 million and \$2.1 million, respectively. The Company made a payment of \$0.9 million and \$1.4 million in the first quarter of 2017 and 2016, respectively, related to the liability-classified contingent consideration arrangements. As of November 14, 2017, we will not record contingent consideration adjustments for the Hyperspring acquisition due to the expiration of the earnout period.

6. Contract Receivables

Contract receivables represent balances due from a broad base of both domestic and international customers. All contract receivables are considered to be collectible within twelve months. Recoverable costs and accrued profit not yet billed represent costs incurred and associated profit accrued on contracts that will become billable upon future milestones or completion of contracts.

The components of contract receivables are as follows:

(in thousands)	September 30, 2017	December 31, 2016
Billed receivables	\$ 12,039	\$ 13,325
Recoverable costs and accrued profit not yet billed	6,715	5,555
Allowance for doubtful accounts	(138)	(17)
Total contract receivables, net	\$ 18,616	\$ 18,863

During October 2017, the Company invoiced \$4.6 million of the unbilled amounts related to the balance at September 30, 2017.

As of September 30, 2017, the Company had one customer that accounted for 26.3% of the Company's consolidated contract receivables. As of December 31, 2016, the Company did not have any customers that accounted for more than 10% of the Company's consolidated contract receivables.

On March 29, 2017, Westinghouse, a customer of our Performance Improvement Solutions segment, filed for Chapter 11 bankruptcy protection in the United States Bankruptcy Court for the Southern District of New York, Case No. 17-10751. During the second quarter of 2017, Westinghouse assumed one of our contracts related to Southern Nuclear Company. Therefore, we have not recorded a reserve for outstanding receivables related to this contract. On July 31, 2017, South Carolina Electric and Gas Company announced that it will cease construction of new nuclear plants at the V.C. Summer Nuclear Station, one of the facilities for which the Company has an executory contract with Westinghouse for the provision of simulator software and equipment. Although there has been no formal rejection of

the contract as part of the Westinghouse bankruptcy process, GSE now considers it likely that Westinghouse will reject the parties' contract pertaining to the V.C. Summer Nuclear Station. Therefore, at June 30, 2017, GSE reserved 100% of accounts receivable, unbilled receivables, and billings in excess related to the V.C. Summer Nuclear Station, resulting in a net bad debt charge of \$118,000.

At September 30, 2017, in addition to the foregoing amounts associated with the V.C. Summer Nuclear Station, the Company had approximately \$0.1 million in net billed and unbilled pre-petition receivables attributable to Westinghouse. The Company has assessed the recoverability of the remaining \$0.1 million in net billed and unbilled pre-petition receivables and concluded that the likelihood of loss is not probable, and therefore, none of the remaining outstanding amounts have been reserved at September 30, 2017.

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7. Prepaid Expenses and Other Current Assets

Prepaid expenses and other current assets consist of the following:

(in thousands)	September 30, 2017	December 31, 2016
Inventory	\$ 1,159	\$ -
Income taxes receivable	268	446
Prepaid expenses	451	422
Other current assets	1,078	1,184
Total prepaid expenses and other current assets	\$ 2,956	\$ 2,052

At September 30, 2017, prepaid expenses and other current assets are comprised primarily of inventory that is being purchased to support the construction of three major nuclear simulation projects related to a significant contract that was executed during the first quarter of 2016. Inventory is recorded at the lower of cost or market value in accordance with ASC 330, Inventory. At December 31, 2016, inventory related to the simulation projects was classified as a long-term asset within other assets on the consolidated balance sheets. The earliest completion date of these projects is expected to occur in the second quarter of 2018.

8. Software Development Costs, Net

Certain computer software development costs are capitalized in the accompanying consolidated balance sheets. Capitalization of computer software development costs begins upon the establishment of technological feasibility. Capitalization ceases and amortization of capitalized costs begins when the software product is commercially available for general release to customers. Amortization of capitalized computer software development costs is included in cost of revenue and is determined using the straight-line method over the remaining estimated economic life of the product, typically three years. On an annual basis, and more frequently as conditions indicate, the Company assesses the recovery of the unamortized software development costs by estimating the net undiscounted cash flows expected to be generated by the sale of the product. If the undiscounted cash flows are not sufficient to recover the unamortized software costs, the Company will write down the carrying amount of such asset to its estimated fair value based on the future discounted cash flows. The excess of any unamortized computer software costs over the related fair value is written down and charged to operations.

Software development costs capitalized were \$38,000 and \$126,000 for the three and nine months ended September 30, 2017, respectively, and \$10,000 and \$196,000 for the three and nine months ended September 30, 2016, respectively. Total amortization expense was \$118,000 and \$352,000 for the three and nine months ended September 30, 2017, respectively, and \$111,000 and \$296,000 for the three and nine months ended September 30, 2016, respectively.

9. Goodwill and Intangible Assets

The Company's intangible assets include amounts recognized in connection with business acquisitions, including customer relationships, trade names, non-compete agreements, contract backlog, and software.

The Company reviews goodwill for impairment annually as of December 31 and whenever events or changes in circumstances indicate the carrying value of goodwill may not be recoverable. The Company tests goodwill at the reporting unit level. A reporting unit is an operating segment, or one level below an operating segment, as defined by U.S. GAAP. After the acquisition of Hyperspring on November 14, 2014, the Company determined that it had two reporting units, which are the same as our two operating segments: (i) Performance Improvement Solutions; and (ii) Nuclear Industry Training and Consulting (which includes Hyperspring and Absolute). As of the report date, the Company is still evaluating the impact of the Absolute acquisition on our reporting units. As of September 30, 2017, and December 31, 2016, goodwill of \$7.1 million and \$5.6 million, respectively, is related to the Nuclear Industry Training and Consulting segment. The increase of \$1.5 million in the carrying amount of goodwill during the nine months ended September 30, 2017 was due to the acquisition of Absolute. No events or circumstances occurred during the current reporting period that would indicate impairment of such goodwill and indefinite-lived intangible assets.

As discussed in Note 4, we recognized finite-lived intangible assets of \$3.3 million upon acquisition of Absolute on September 20, 2017. Amortization of finite-lived intangible assets is recognized on a straight-line basis over the estimated useful life of the intangible assets, except for contract backlog and contractual customer relationships which are recognized in proportion to the related projected revenue streams. Intangible assets with definite lives are reviewed for impairment if indicators of impairment arise. The Company does not have any intangible assets with indefinite useful lives, other than goodwill. There were no indications of impairment of intangible assets during the current reporting period.

10. Fair Value of Financial Instruments

ASC 820, Fair Value Measurement ("ASC 820"), defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. ASC 820 also establishes a fair value hierarchy which requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value.

The levels of the fair value hierarchy established by ASC 820 are:

Level 1: inputs are quoted prices, unadjusted, in active markets for identical assets or liabilities that the reporting entity has the ability to access at the measurement date.

Level 2: inputs are other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly. A Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: inputs are unobservable and reflect the reporting entity's own assumptions about the assumptions that market participants would use in pricing the asset or liability.

The Company considers the recorded value of certain of its financial assets and liabilities, which consist primarily of cash equivalents, accounts receivable and accounts payable, to approximate the fair value of the respective assets and liabilities at September 30, 2017, and December 31, 2016, based upon the short-term nature of the assets and

liabilities.

For the three and nine months ended September 30, 2017, the Company did not have any transfers between fair value Level 1, Level 2 or Level 3. The Company did not hold any non-financial assets or non-financial liabilities subject to fair value measurements on a recurring basis at September 30, 2017.

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The following table presents assets and liabilities measured at fair value at September 30, 2017:

(in thousands)	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
Money market funds	\$ 3,238	\$ -	\$ -	\$3,238
Foreign exchange contracts	-	280	-	280
Total assets	\$ 3,238	\$ 280	\$ -	\$3,518
Foreign exchange contracts	\$ -	\$ -	\$ -	\$-
Contingent consideration	-	-	(1,691)	(1,691)
Total liabilities	\$ -	\$ -	\$ (1,691)	\$(1,691)

Money market funds at both September 30, 2017 and December 31, 2016 are included in cash and cash equivalents in the respective consolidated balance sheets.

The following table presents assets and liabilities measured at fair value at December 31, 2016:

(in thousands)	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
Money market funds	\$ 16,435	\$ -	\$ -	\$ 16,435
Foreign exchange contracts	-	141	-	141
Total assets	\$ 16,435	\$ 141	\$ -	\$ 16,576
Foreign exchange contracts	\$ -	\$ (20)	\$ -	\$(20)
Contingent consideration	-	-	(2,105)	(2,105)
Total liabilities	\$ -	\$ (20)	\$ (2,105)	\$(2,125)

The following table provides a roll-forward of the fair value of the contingent consideration categorized as Level 3 for the nine months ended September 30, 2017:

(in thousands)

Balance, January 1, 2017	\$2,105
Payments made on contingent liabilities	(850)
Change in fair value	436
Balance, September 30, 2017	\$1,691

11. Derivative Instruments

The Company utilizes forward foreign currency exchange contracts to manage market risks associated with the fluctuations in foreign currency exchange rates. It is the Company's policy to use such derivative financial instruments to protect against market risk arising in the normal course of business to reduce the impact of these exposures. The Company minimizes credit exposure by limiting counterparties to nationally recognized financial institutions.

As of September 30, 2017, the Company had foreign exchange contracts outstanding of approximately 212.5 million Japanese Yen, 0.2 million Euro, and 0.2 million Australian Dollars at fixed rates. The contracts expire on various dates through December 2018. At December 31, 2016, the Company had contracts outstanding of approximately 281.4 million Japanese Yen, 0.1 million Euro, 0.6 million Australian Dollars, and 0.5 million Canadian Dollars at fixed rates.

The Company has not designated the foreign exchange contracts as hedges and recorded the estimated net fair values of the contracts on the consolidated balance sheets as follows:

	September 30, 2017	December 31, 2016
(in thousands)		
Asset derivatives		
Prepaid expenses and other current assets	\$ 133	\$ 57
Other assets	147	84
	280	141
Liability derivatives		
Other current liabilities	-	(20)
	-	(20)
Net fair value	\$ 280	\$ 121

The changes in the fair value of the foreign exchange contracts are included in gain (loss) on derivative instruments, net, in the consolidated statements of operations.

The foreign currency denominated contract receivables, billings in excess of revenue earned, and subcontractor accruals that are related to the outstanding foreign exchange contracts are remeasured at the end of each period into the functional currency using the current exchange rate at the end of the period. The gain or loss resulting from such remeasurement is also included in gain (loss) on derivative instruments, net, in the consolidated statements of operations.

For the three and nine months ended September 30, 2017 and 2016, the Company recognized a net gain (loss) on its derivative instruments as outlined below:

	Three months ended September 30, 2017	2016	Nine months ended September 30, 2017	2016
(in thousands)				

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Foreign exchange contracts-change in fair value	\$74	\$(125)	\$145	\$(302)
Remeasurement of related contract receivables, billings in excess of revenue earned, and subcontractor accruals	(3)	(86)	81	(44)
Gain (loss) on derivative instruments, net	\$71	\$(211)	\$226	\$(346)

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12. Stock-Based Compensation

The Company recognizes compensation expense for all equity-based compensation awards issued to employees and directors that are expected to vest. Compensation cost is based on the fair value of awards as of the grant date. The Company recognized \$0.5 million and \$0.4 million of stock-based compensation expense related to equity awards for the three months ended September 30, 2017 and 2016, respectively, and recognized \$1.8 million and \$0.9 million of stock-based compensation expense related to equity awards for the nine months ended September 30, 2017 and 2016, respectively. In addition to the equity-based compensation expense recognized, the Company also recognized \$92,000 and \$80,000 of stock-based compensation related to the change in the fair value of cash-settled restricted stock units ("RSUs") during the three and nine months ended September 30, 2017, respectively.

For the three and nine months ended September 30, 2017, the Company did not grant market-based RSUs. For the three and nine months ended September 30, 2016, the Company granted 1,162,500 and 1,322,500 market-based RSUs with an aggregate fair value of \$1.6 million and \$1.9 million, respectively. In accordance with ASC 718, Compensation - Stock Compensation, the RSUs are considered market-based because they vest upon the achievement of a specified price of the Company's shares. The fair value of the RSUs is expensed ratably over the requisite service period, which ranges between one and five years.

The market-based RSUs granted during 2016 include 450,000 RSUs, which were canceled and reissued in accordance with the Chief Executive Officer's amended employment agreement dated July 1, 2016 and approved by the Board of Directors. The aggregate fair value of the RSUs reissued totaled \$469,000.

Additionally, on July 1, 2016, the Board of Directors approved an amendment to the market-based RSU agreements with other employees, which reduced the time period from 90 to 30 consecutive trading days during which the volume weighted-average price ("VWAP") target must be attained in order for the RSUs to vest. This change resulted in an increase in the fair value of the RSUs granted of approximately \$250,000, which will be expensed ratably over the remaining requisite service period.

During the three months ended September 30, 2017, the Company did not grant time-based RSUs. For the nine months ended September 30, 2017, the Company granted 396,677 time-based RSUs with an aggregate fair value of \$1.4 million. A portion of the RSUs vested immediately, a portion will vest quarterly in equal amounts over the course of eight quarters, a portion will vest one year after grant, and the remainder will vest annually in equal amounts over the course of three years. For the three and nine months ended September 30, 2016, the Company granted 70,000 and 204,824 time-based RSUs with an aggregate fair value of \$172,300 and \$471,650, respectively. The fair value of the RSUs is expensed ratably over the requisite service period.

The Company did not grant stock options during the three or nine month periods ended September 30, 2017. The Company did not grant any options during the three month period ended September 30, 2016, and granted 40,000 stock options during the nine month period ended September 30, 2016. The fair value of the options granted during the nine months ended September 30, 2016 was \$46,000.

13. Debt

Line of Credit

Citizens Bank

The Company entered into a three-year, \$5.0 million revolving line of credit facility ("RLOC") with Citizens Bank on December 29, 2016, to fund general working capital needs, including acquisitions. Working capital advances bear interest of one-month LIBOR plus 2.25% per annum and letter of credit fees are 1.25% per annum. The Company is not required to maintain a restricted cash collateral account at Citizens Bank for outstanding letters of credit and working capital advances.

The maximum availability under the RLOC is subject to a borrowing base equal to 80% of eligible accounts receivable, and is reduced for any issued and outstanding letters of credit and working capital advances. At September 30, 2017, there were no outstanding borrowings on the RLOC and six letters of credit totaling \$1.7 million. We have two letters of credit with Citizen Bank totaling \$0.4 million, which have expired and are pending release by the bank and customer. The amount available at September 30, 2017, after consideration of the borrowing base, letters of credit and working capital advances was approximately \$3.3 million.

The credit facility agreement is subject to standard financial covenants and reporting requirements. At September 30, 2017, the Company was in compliance with its financial covenants.

BB&T Bank

At September 30, 2017, the Company had three letters of credit with BB&T totaling \$0.9 million, which have expired and are pending release by the bank and customer. At September 30, 2017 and December 31, 2016, the cash collateral account with BB&T totaled \$1.0 million and \$1.1 million, respectively. The balances were classified as restricted cash on the consolidated balance sheets.

14. Product Warranty

The Company accrues for estimated warranty costs at the time the related revenue is recognized based on historical experience and projected claims. The Company's long-term contracts generally provide for a one-year warranty on parts, labor and any bug fixes as it relates to customized software embedded in the systems. The portion of the warranty provision expected to be incurred within 12 months is classified as current within accrued warranty and totals \$1.3 million, while the remaining \$0.5 million is classified as long-term within other liabilities. The activity in the accrued warranty accounts is as follows:

(in thousands)

Balance, January 1, 2017	\$1,478
Current period provision	474
Current period claims	(194)
Currency adjustment	11
Balance at September 30, 2017	\$1,769

15. Income Taxes

The following table presents the provision for income taxes and the effective tax rates:

(in thousands)	Three months ended September 30, 2017	Nine months ended September 30,		
		2016	2017	2016
				Director

* Director

Michael J. Ward

*By: /s/ David L.
Hausrath

David L. Hausrath
Attorney-in-Fact

Date: November 26, 2008

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

The following discussion should be read in conjunction with the Consolidated Financial Statements and the accompanying Notes to Consolidated Financial Statements for the years ended September 30, 2008, 2007 and 2006.

BUSINESS OVERVIEW

Ashland profile

Ashland is a diversified, global chemicals company that provides innovative products, services and solutions to a diverse customer base. Ashland is a manufacturer of specialty chemicals, a leading distributor of chemicals and plastics, and a provider of automotive lubricants, car-care products and quick-lube services. Established in 1924 as a regional petroleum refiner, Ashland has recently completed several key acquisitions and divestitures to realign its business operations. After exiting the transportation construction market in August 2006 and the petroleum refining and marketing sector in June 2005 along with acquiring Hercules Incorporated (Hercules) in November 2008, Ashland is now positioned to achieve its vision in becoming a leading, global specialty chemicals company.

Approximately 30% of Ashland's sales and operating revenues (revenues) are generated outside of North America. Revenue by region expressed as a percentage of total consolidated revenue for the years ended September 30, 2008, 2007 and 2006 was as follows:

Sales and Operating Revenues by Geography	2008	2007	2006
North America	71%	72%	79%
Europe	21%	20%	16%
Asia Pacific	5%	5%	3%
Latin America & other	3%	3%	2%
	100%	100%	100%

Business segments

Prior to the acquisition of Hercules in November 2008, Ashland consisted of four commercial divisions: Ashland Performance Materials, Ashland Distribution, Valvoline and Ashland Water Technologies. Performance Materials is a worldwide manufacturer and supplier of specialty chemicals and customized services to the building and construction, packaging and converting, transportation, marine and metal casting industries. Distribution is a distributor of chemicals, plastics, composite materials and environmental services in North America, and thermoplastics in Europe. Valvoline is a marketer, distributor and producer of quality branded automotive and industrial products and services. Water Technologies is a supplier of chemical and non-chemical water treatment solutions for industrial, commercial and institutional facilities, and specialized chemicals for utility water treatment.

Total consolidated revenue for the years ended September 30, 2008, 2007 and 2006 as a percent of revenue by business segment was as follows:

Sales and Operating Revenues by Business Segment	2008	2007	2006
Performance Materials	19%	18%	18%
Distribution	51%	51%	56%

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Valvoline	19%	20%	19%
Water Technologies	11%	11%	7%
	100%	100%	100%

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KEY 2008 DEVELOPMENTS

During 2008, the following operational decisions and economic developments had an impact on Ashland's current and future cash flows, results of operations and financial position.

Hercules acquisition

In November 2008, Ashland completed the acquisition of Hercules, a significant step in achieving its objective to create a leading, global specialty chemicals company. As fiscal 2009 commences, the new combined company comprises a core of three specialty chemical businesses: specialty additives and functional ingredients, paper and water technologies, and specialty resins, which will drive Ashland both strategically and financially. This acquisition better positions Ashland to deliver more stable and predictable earnings, generate stronger cash flows and gain access to higher growth markets worldwide. As a result of the transaction, the expanded international presence of Ashland will increase revenue derived outside North America to roughly 35% from approximately 30% in fiscal 2008.

Ashland's new structure, incorporating the former Hercules businesses, is composed of five commercial units: Ashland Hercules Water Technologies, Ashland Aqualon Functional Ingredients (Aqualon), Ashland Performance Materials, Ashland Distribution and Ashland Consumer Markets (Valvoline). The restructured Ashland Hercules Water Technologies business will be a global supplier of functional and process chemicals for the paper industry in addition to water treatment chemicals. Aqualon is a manufacturer and supplier of specialty additives and functional ingredients derived from renewable resources that are designed to manage the properties of water-based systems.

The estimated transaction value of \$3.4 billion includes \$0.8 billion of debt assumed in the acquisition. As part of the financing arrangement for the transaction, Ashland borrowed \$2.3 billion and retained approximately \$0.3 billion in existing debt, combining for a projected weighted-average interest rate of approximately 9.5%. For further information on this transaction see the Liquidity discussion within Management's Discussion and Analysis as well as Note Q in the Notes to the Consolidated Financial Statements.

Raw material volatility

Unprecedented volatility in many hydrocarbon and base lube oil markets caused unusually large fluctuations in gross profit margins throughout fiscal 2008. This volatility was highlighted during the 2008 summer, which saw the crude oil market soar to over \$145 per barrel from approximately \$80 per barrel at the end of fiscal 2007. These significant raw material increases caused tight supply and extreme price increases on core raw material commodities in a very short period of time. The timing delay of implementing price increases on Ashland's products in the market place to recapture gross profit margin from these significant increases caused overall gross profit margin erosion during the year in each of Ashland's businesses.

Working capital and cash flow management

Ashland's commitment to the implementation of its SAP® enterprisewide resource planning (ERP) project was only the first step in efforts to improve working capital and cash flow management. The majority of Ashland's operations had implemented this system by the beginning of fiscal 2008, resulting in real time information which provided greater transparency in cash management and related business decisions. As a result, focus shifted on improving the cash flow metric in 2008 by tying cash flow results directly to management compensation. Ashland's efforts and focus in this area were highly successful in fiscal 2008 as it generated \$478 million of cash flows from operations, a \$289 million increase from the prior year. Operating segment trade working capital decreased from 15.3% of revenue at September 30, 2007 to 12.3% of revenue at September 30, 2008. Improvements in this area were largely driven by inventory optimization in Ashland Distribution, but also from attention to accounts receivable collection across all

business units. Overall, trade working capital provided approximately \$200 million in cash flow during 2008.

Cost-structure efficiency program

During 2008, Ashland initiated a cost-structure efficiency program designed to realign its available resources within certain businesses to maximize operating income and long-term growth opportunities. Ashland committed to achieve \$65 million in total savings from existing businesses by the end of fiscal 2009. When the program was introduced, the company run-rate target for fiscal 2008 was \$14 million. Ashland exceeded this initial target by the end of fiscal 2008, achieving total run-rate savings of \$41 million. These cost savings were primarily within Performance Materials and Water Technologies, where run-rate savings of \$24 million and \$14 million, respectively, were achieved.

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MAP settlement

During 2008, Ashland and Marathon agreed to a tax related settlement with respect to four specific tax attributes and deductions that were originally scheduled to be reimbursed periodically at much later points in the future, some with the potential of greater than 20 years or more. The effect of this settlement accelerated Marathon's reimbursement to Ashland for certain of these deductions, resulting in the receipt of \$26 million in cash from Marathon representing the present value of the future deductions. As a result of this specific agreement, Ashland recorded a gain within the MAP Transaction caption of the Statement of Consolidated Income of \$23 million during 2008.

RESULTS OF OPERATIONS – CONSOLIDATED REVIEW

Ashland's net income amounted to \$167 million in 2008, \$230 million in 2007 and \$407 million in 2006. Income from continuing operations, which excludes results from discontinued operations, amounted to \$175 million in 2008, \$201 million in 2007 and \$183 million in 2006. Net income is primarily affected by results within operating income, net interest and other financing income and discontinued operations. Ashland's operating income amounted to \$213 million in 2008, \$216 million in 2007 and \$170 million in 2006. Operating results in 2008 compared to 2007 declined slightly as operating income decreases in Performance Materials and Water Technologies were offset by an operating income increase in Distribution and income associated with Unallocated and other. Increases in operating income during 2007 compared to 2006 primarily related to Valvoline's record operating income year as Distribution, and to a lesser extent Performance Materials, reported lower operating results. Net interest and other financing income was \$28 million in 2008, \$46 million in 2007 and \$47 million in 2006. The decrease in 2008 compared to prior periods primarily reflects the lower interest rate environment for short-term investment instruments. Ashland's after-tax results from discontinued operations included a gain on the sale of APAC of \$110 million in 2006, which was subsequently reduced by \$7 million in both 2008 and 2007, a \$35 million gain associated with estimated future asbestos liabilities less probable recoveries during 2007 and net income from APAC operations of \$115 million in 2006.

A comparative analysis of the Statement of Consolidated Income by caption is provided as follows for the years ended September 30, 2008, 2007 and 2006.

(In millions)	2008	2007	2006	2008 change	2007 change
Sales and operating revenues	\$ 8,381	\$ 7,785	\$ 7,233	\$ 596	\$ 552

Revenues for 2008 increased 8% from 2007 primarily due to increased pricing of \$560 million and \$288 million related to a favorable currency exchange as well as \$34 million from the acquisition of the pressure-sensitive adhesive business and atmospheric emulsions business of Air Products and Chemicals, Inc. (Air Products) within Performance Materials in June. This increase was partially offset by a \$143 million decrease related to declines in both volume and product mix as well as an additional \$143 million decrease related to the elimination of a one-month financial reporting lag for foreign operations (reporting lag) during 2007. During 2008, pricing increases were consistently implemented across each of Ashland's businesses to recover significant cost increases occurring within volatile raw material markets. Volume only declined slightly, despite the difficult market conditions that continued to deteriorate the North American economy throughout 2008, particularly in core sectors such as building and construction, coatings, transportation and marine. The favorable currency exchange rate is principally influenced by the U.S. dollar's (USD) performance against the Euro, which weakened by 13% during 2008.

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Revenues for 2007 increased 8% from 2006 primarily as a result of Water Technologies' purchase of the water treatment business from Degussa AG in May 2006 as revenues associated with these purchased operations were \$363 million in 2007, as compared to \$82 million in the prior year (2006 included only five months of business activity due to the purchase date). Revenues in 2007 also included an additional \$143 million as a result of the elimination of the reporting lag during 2007 as compared to 2006. These increases, along with pricing increases within Valvoline, primarily contributed to the overall increase in revenues.

(In millions)	2008	2007	2006	2008 change	2007 change
Cost of sales and operating expenses	\$ 7,056	\$ 6,447	\$ 6,030	\$ 609	\$ 417
Gross profit as a percent of sales	16 %	17 %	17 %		

Cost of sales and operating expenses (cost of sales) for 2008 increased 9% compared to 2007, which resulted in an overall 1% decline in gross profit as a percent of sales (gross profit). Raw material price increases were the primary factor

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for this gross profit decline, which represented a \$591 million cost increase compared to 2007. Volatile pricing in raw materials, particularly in the crude oil market, which experienced an approximate 75% increase in the cost per barrel of oil during 2008 before peaking at over \$145 a barrel, primarily influenced other significant hydrocarbon based raw material increases throughout 2008. Currency exchange rates increased cost of sales \$228 million, while the Air Products acquisition added an additional \$32 million. These revenue increases were partially offset by a \$127 million decrease related to volume declines and product mix as well as a \$115 million decline related to the reporting lag elimination during 2007.

Cost of sales for 2007 increased 7% compared to 2006, yet gross profit remained consistent year over year. Cost of sales fluctuations generally track revenue as the increase from 2006 to 2007 primarily reflected year over year raw material cost increases. Gross profit declined in three of Ashland's four business segments over the same period, with the exception being Valvoline due to timely and effective pricing increases. Fiscal 2007 also included an additional \$115 million in cost of sales as compared to 2006 as a result of the reporting lag elimination.

(In millions)	2008	2007	2006	2008 change	2007 change
Selling, general and administrative expenses	\$ 1,166	\$ 1,171	\$ 1,077	\$ (5)	\$ 94
As a % of revenues	14 %	15 %	15 %		

Selling, general and administrative expenses for 2008 decreased slightly compared to 2007 while decreasing one percentage point as a percent of total revenue. Expenses impacting the comparability of 2008 compared to 2007 include charges recorded in 2007 that consisted of \$25 million for the voluntary severance offer, \$22 million for the elimination of the reporting lag and \$8 million related to an expense for certain postretirement plans. These expenses did not occur in 2008. Expenses during 2008 were negatively impacted by \$40 million for currency exchange and \$11 million for severance charges, related to realignment of certain businesses within Ashland during 2008.

During 2007 selling, general and administrative expenses increased 9%, however remained consistent as a percent of revenue from period to period. The charges of \$25 million for the voluntary severance offer, \$22 million for the elimination of the reporting lag, \$8 million for the postretirement plans and the additional expense related to the Degussa acquisition were the primary increases in expenses year over year. Corporate costs previously allocated to APAC of \$41 million were retained within 2006 expenses in accordance with applicable GAAP guidance.

(In millions)	2008	2007	2006	2008 change	2007 change
Equity and other income					
Equity income	\$ 23	\$ 15	\$ 11	\$ 8	\$ 4
Other income	31	34	33	(3)	1
	\$ 54	\$ 49	\$ 44	\$ 5	\$ 5

Total equity and other income increased 10% during 2008 and 11% during 2007 compared to the prior period. The increases in 2008 and 2007 primarily relate to improved performance from various foreign joint venture associations.

(In millions)	2008	2007	2006	2008 change	2007 change
Gain (loss) on the MAP Transaction	\$ 20	\$ (3)	\$ (5)	\$ 23	\$ 2

The \$20 million gain in 2008 primarily related to a settlement with Marathon for certain related tax matters associated with the MAP Transaction which resulted in a \$23 million gain. This gain was offset by a decrease in the recorded receivable from Marathon for the estimated present value of future tax deductions related primarily to environmental and other postretirement obligations. Ashland recorded a loss on the MAP Transaction of \$3 million in 2007 as a result of a decrease in the discounted receivable from Marathon for the estimated present value of future tax deductions. In 2006, a \$5 million loss resulted primarily from a \$4 million reclassification of certain tax benefits related to previously owned businesses of Ashland. The offsetting benefit was recorded in income taxes as deferred tax benefits. See Note C of Notes to Consolidated Financial Statements for a discussion of the MAP Transaction.

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(In millions)	2008	2007	2006	2008 change	2007 change
Net interest and other financing income					
Interest income	\$ 40	\$ 59	\$ 59	\$ (19)	\$ -
Interest expense	(9)	(10)	(8)	1	(2)
Other financing costs	(3)	(3)	(4)	-	1
	\$ 28	\$ 46	\$ 47	\$ (18)	\$ (1)

The decrease in interest income to \$40 million in 2008 from \$59 million in 2007 and 2006 primarily reflects the lower interest rate environment for short-term investment instruments compared to prior periods. Interest expense and other financial costs have remained consistent across all periods.

(In millions)	2008	2007	2006	2008 change	2007 change
Income tax expense	\$ 86	\$ 58	\$ 29	\$ 28	\$ 29
Effective tax rate	32.9 %	22.3 %	13.6 %		

The overall effective tax rate significantly increased in 2008 from rates in prior periods due to several key factors. Significant volatility in the capital markets as it relates to investments held for life insurance policies resulted in a \$9 million tax effect in 2008, which historically has been a tax benefit for Ashland. In addition, during 2007 Ashland recorded a \$15 million tax benefit related to dividends held within the employee stock ownership plan compared with a \$1 million tax benefit in 2008, primarily due to the special dividend of \$10.20 paid on October 25, 2006 as part of the distribution to shareholders of a substantial portion of the APAC divestiture proceeds.

Ashland's income tax expense for 2007 and 2006 included \$9 million of tax expense and \$16 million of tax benefits, respectively, due to the resolution of domestic and foreign tax matters and the reevaluation of income tax reserves related to tax positions taken in prior years. Also during 2006, \$16 million in tax benefits were recorded to adjust the 2005 tax provision to the 2005 tax returns as ultimately filed.

Excluding these identified items, Ashland's effective tax rate would have been 29.9% in 2008, compared to 24.7% in 2007 and 28.8% in 2006. See Note K of Notes to Consolidated Financial Statements for the reconciliation of Ashland's tax provision for the last three years to the 35% U.S. statutory rate.

(In millions)	2008	2007	2006	2008 change	2007 change
Income (loss) from discontinued operations (net of tax)					
APAC					
Income from operations	\$ 1	\$ 2	\$ 115	\$ (1)	\$ (113)
(Loss) gain on sale of operations	(7)	(7)	110	-	(117)

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Asbestos-related litigation reserves	(2)	35	(1)	(37)	36
Electronic Chemicals	-	(1)	-	1	(1)
	\$ (8)	\$ 29	\$ 224	\$ (37)	\$ (195)

Ashland recorded an after-tax gain on the sale of APAC of \$110 million in 2006. During 2008 and 2007, subsequent tax adjustments of \$7 million per year reduced the gain on the sale of APAC. Ashland periodically updates the model used for purposes of valuing the asbestos-related litigation reserves, which resulted in a net \$2 million and \$1 million charge in 2008 and 2006, respectively, and a favorable net \$17 million adjustment during 2007. In addition, Ashland reassessed its assumption for a certain asbestos receivable due to improved credit quality, which resulted in a favorable \$18 million after-tax adjustment during 2007. Net income from the results of operations of APAC amounted to \$1 million, \$2 million and \$115 million in 2008, 2007 and 2006, respectively.

The following details Ashland's quarterly reported operating income for the years ended September 30, 2008, 2007 and 2006.

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(In millions)	2008	2007	2006
Quarterly operating income			
December 31	\$46	\$58	\$46
March 31	52	41	49
June 30	87	91	47
September 30	28	26	28

RESULTS OF OPERATIONS – BUSINESS SEGMENT REVIEW

Segment operating results reflect the methodology adopted in October 2005 for allocating substantially all budgeted corporate expenses to Ashland's operating businesses, with the exception of certain legacy costs or items clearly not associated with the operating divisions. Corporate expenses allocated to Ashland's four operating divisions under this methodology amounted to \$88 million in 2008, \$84 million in 2007 and \$70 million in 2006. Actual corporate expenses incurred throughout the year are recorded within Unallocated and other. In August 2006 the sale of APAC qualified as a discontinued operation. Under generally accepted accounting principles, allocations of general corporate overhead may not be allocated to discontinued operations for financial statement presentation. As a result, the Unallocated and other component of operating income during 2006 reflects \$41 million of corporate overhead previously allocated to APAC.

The following table shows revenues, operating income and operating information by business segment for each of the last three years ended September 30.

(In millions)	2008	2007	2006
Sales and operating revenues			
Performance Materials	\$1,621	\$1,580	\$1,425
Distribution	4,374	4,031	4,070
Valvoline	1,662	1,525	1,409
Water Technologies	893	818	502
Intersegment sales	(169)	(169)	(173)
	\$8,381	\$7,785	\$7,233
Operating income			
Performance Materials	\$52	\$89	\$112
Distribution	51	41	120
Valvoline	83	86	(21)
Water Technologies	10	16	14
Unallocated and other (a)	17	(16)	(55)
	\$213	\$216	\$170
Operating information			
Performance Materials (b)			
Sales per shipping day	\$6.4	\$6.1	\$5.7
Pounds sold per shipping day	4.9	4.9	4.9
Gross profit as a percent of sales	17.0	% 20.5	% 22.5
Distribution (b)			
Sales per shipping day	\$17.3	\$15.9	\$16.2

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Pounds sold per shipping day	18.8		19.6		20.3	
Gross profit as a percent of sales	7.8	%	7.9	%	9.5	%
Valvoline (b)						
Lubricant sales gallons	169.2		167.1		168.7	
Premium lubricants (percent of U.S. branded volumes)	24.9	%	23.3	%	23.1	%
Gross profit as a percent of sales	23.0	%	24.8	%	19.9	%
Water Technologies (b)						
Sales per shipping day	\$3.5		\$3.1		\$2.0	
Gross profit as a percent of sales	36.7	%	39.2	%	43.7	%

(a) Includes a \$25 million charge for costs associated with Ashland's voluntary severance offer in 2007 and corporate costs previously allocated to APAC of \$41 million in 2006.

(b) Sales are defined as sales and operating revenues. Gross profit is defined as sales and operating revenues, less cost of sales and operating expenses.

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During 2008, Ashland's financial performance was hindered by declining demand and significant raw material cost increases, a direct result of continued weakness in the North American economy, where approximately 70% of revenue is derived, and instability in raw material markets. This economic environment created significant downward pressure on the gross profit margin of each business segment, particularly within the Performance Materials, Valvoline and Water Technologies businesses during 2008. Despite the economic weakness and gross profit margin pressure, Distribution was able to keep gross profit as a percent of sales relatively flat compared to 2007. Overall volume results during 2008 for the businesses were mixed, with Water Technologies and Valvoline reporting modest increases compared to 2007 while Distribution declined slightly and Performance Materials levels were flat.

Performance Materials

Performance Materials reported operating income of \$52 million during 2008, a 42% decrease from the \$89 million reported during 2007. Revenues increased 3% to \$1,621 million compared to \$1,580 million during the prior period. Increases in currency exchange of \$88 million, or 6%, and price of \$45 million, or 3%, were the primary factors in the increase in revenue. In addition, the acquisition of Air Products in June 2008 contributed \$34 million to 2008 revenues. These increases in revenue were partially offset by volume and product mix decreases of \$70 million, or 4%, primarily as a result of weakness in the North American markets for the Composite Polymers and Specialty Polymers and Adhesives business units, and a \$56 million decrease related to the reporting lag elimination recorded during 2007. The decrease in volume and product mix caused operating income to decline by \$30 million.

Gross profit as a percent of sales during 2008 decreased 3.5 percentage points to 17.0% primarily due to raw material cost increases of \$69 million. These raw material cost increases were not fully offset by price increases during 2008, causing gross profit margin and operating income to decline by \$24 million. The decreases in gross profit margin related to price, volume and product mix were partially offset by an increase from currency exchange of \$16 million. Selling, general and administrative expenses decreased \$3 million, or 1%, during 2008 as an \$8 million increase in currency exchange was offset by a \$7 million decrease in costs recorded from the reporting lag recorded during 2007. Equity and other income increased \$5 million during 2008 compared to 2007, primarily due to a \$6 million increase in equity income associated with joint ventures.

Performance Materials reported operating income of \$89 million for 2007, a 21% decrease compared to the record \$112 million for 2006. The gross profit margin decreased to 20.5% from 22.5% in 2006, resulting in an \$8 million decrease in operating income. Sales and operating revenues increased 11%, from \$1,425 million for 2006 to \$1,580 million for 2007, primarily due to price increases, as pounds per shipping day were flat for both periods at 4.9 million pounds. On a comparable twelve month period, when adjusted for the acquisitions of Northwest Coatings and the purchase of third-party ownership interests in a former Japanese joint venture, sales and operating revenues increased 4% while volumes decreased 3%. Selling, general and administrative expenses increased \$25 million, or 11% compared to the 2006 period, primarily due to increased international expansion as well as \$10 million of additional costs from the previously mentioned acquisitions.

Distribution

Distribution reported operating income of \$51 million during 2008, a 24% increase from the \$41 million reported during 2007. Revenues increased 9% to \$4,374 million compared to \$4,031 million in the prior period. Price increases, primarily in certain chemicals and plastics, were the primary factor in revenue growth causing a \$446 million, or 11%, increase with currency exchange increases adding an additional \$97 million, or 2%. These increases during 2008 were offset by a \$154 million decrease in volume, as pounds sold per shipping day decreased 4% to 18.8 million compared to 19.6 million in 2007, causing a decline in the gross profit margin and operating income of \$13 million. The reporting lag recorded during 2007 resulted in an additional \$46 million decrease in revenue.

Gross profit as a percent of sales during the current period decreased 0.1 percentage point to 7.8%. Despite this decline, actual gross profit margin (in dollars) increased \$22 million compared to 2007 as price increases offset raw material cost increases, contributing \$34 million to gross profit margin and operating income. Selling, general and administrative expenses increased \$12 million, or 4%, during 2008 primarily due to increased charges for incentive compensation of \$11 million. The currency exchange increased operating income by \$1 million during 2008.

Distribution earned operating income of \$41 million for 2007, a 66% decrease from the record \$120 million earned for 2006. Sales and operating revenues decreased 1% from \$4,070 million for 2006, to \$4,031 million for 2007. Pounds sold per shipping day decreased 3% in 2007 to 19.6 million pounds from 20.3 million pounds in 2006, resulting in a \$10 million decrease in operating income. Gross profit as a percent of sales declined from 9.5% for 2006 to 7.9% for 2007. Two factors primarily caused this decrease. The first was unusually high margins in the prior period, resulting from hurricane supply disruptions. The second was the limited ability of Distribution to raise prices in a rising commodity cost environment due to demand weakness in the North American manufacturing sector. The decline in gross profit margin lowered operating income by \$57 million compared to 2006. Selling, general and administrative expenses increased \$13 million, or 5%,

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comparing the current period to the prior period in part due to a one time \$6 million adjustment in foreign postretirement benefit obligations.

Valvoline

Valvoline reported operating income of \$83 million during 2008, a 3% decrease compared to the record \$86 million reported during 2007. Revenues increased 9% to \$1,662 million during 2008 compared to \$1,525 million in 2007. Increases in pricing of \$76 million, or 5%, and currency exchange of \$40 million, or 3%, contributed to the revenue growth. In addition, revenue related to volume increased \$49 million as lubricant volume increased 1% to 169.2 million gallons during 2008 compared to 2007, which resulted in an increase in gross profit margin and operating income of \$14 million. A change in the product mix sold during 2008 reduced revenue by \$28 million compared to 2007.

Gross profit as a percent of sales during 2008 decreased 1.8 percentage points to 23.0%. Despite this decrease, actual gross profit margin (in dollars) increased \$4 million from the prior period as currency exchange contributed an increase of \$11 million while price increases did not fully offset increases in raw material costs, causing a net \$14 million decline in gross profit margin and operating income. The remaining difference was due to fluctuations within product mix, which caused gross profit margin and operating income to decline by \$7 million. Selling, general and administrative expenses increased \$7 million during the current period primarily due to currency exchange increases of \$8 million.

Valvoline reported record operating income of \$86 million for 2007, compared to an operating loss of \$21 million for 2006. The improvement in operating income primarily reflects gross profit margin recovery, which increased to 24.8% in 2007 from 19.9% in 2006, as a result of stable base-oil costs and the full effect of previous price increases. This increase in gross profit margin during 2007 contributed \$97 million to operating income. Sales and operating revenues increased 8% over the 2007 period to \$1,525 million, reflecting increased pricing and product mix as volume levels decreased 1% to 167.1 million lubricant gallons. Valvoline Instant Oil Change reported a \$13 million increase in operating income compared to the prior year driven by higher levels of customer satisfaction which contributed to an increase in same store sales revenue. Selling, general and administrative expenses decreased \$6 million during 2007 primarily due to lower employee benefit costs as well as an unfavorable litigation charge recorded in the prior period.

Water Technologies

Water Technologies reported operating income of \$10 million during 2008, a 38% decrease compared to \$16 million reported during 2007, as lower gross profit margin and increased selling, general and administrative costs were the primary factors in this decline. Revenues increased 9% to \$893 million compared to \$818 million during 2007, primarily due to increases of approximately \$64 million, or 8%, and \$61 million, or 7%, in currency exchange and volume, respectively. These increases were offset by an \$8 million, or 1%, decrease in price and a \$42 million, or 5%, decrease as a result of the reporting lag recorded in 2007.

Gross profit as a percent of sales decreased 2.5 percentage points to 36.7%. Despite this decrease, actual gross profit margin (in dollars) increased \$6 million from 2007 as currency exchange and volume contributed increases of \$24 million and \$22 million, respectively, to gross profit margin. These increases in gross profit were almost fully offset by cost increases in raw materials and services of \$25 million as well as a \$15 million decrease related to the reporting lag recorded during 2007. Selling, general and administrative expenses increased \$12 million during 2008 primarily due to a \$20 million increase in currency exchange and a \$12 million decrease from costs associated with the reporting lag recorded during 2007.

Water Technologies earned operating income of \$16 million for 2007, compared to \$14 million for 2006, which included an \$8 million currency hedge gain related to the acquisition of the water treatment business of Degussa AG (E&PS). Sales and operating revenues increased 63% to \$818 million in 2007 compared to \$502 million in 2006, primarily due to the \$363 million in sales and operating revenues contributed by the E&PS business during the entire current year, which had only reported four months in the prior period. The marine and industrial businesses' combined revenue increase of 5%, on a comparable twelve month basis, and the improving gross profit margin have been the primary factors in the operating income improvement in 2007, while inclusion of the E&PS business has also contributed to operating income growth. Operating income was also impacted during the current year by an \$11 million asset impairment charge on PathGuard® pathogen control equipment that was adjusted to fair value in conjunction with the decision to exit the poultry processing market.

Unallocated and other

Unallocated and other income (costs), consisting of certain legacy costs or items clearly not associated with the operating segments, were \$17 million in 2008, (\$16) million in 2007 and (\$55) million in 2006. These amounts included a \$15 million benefit in 2008 for lower direct support costs allocated to each business segment, a \$25 million charge for costs associated with Ashland's voluntary severance offer in 2007 and costs previously allocated to APAC of \$41 million in 2006.

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that were retained in this component of operating income in accordance with applicable GAAP guidance. Ashland's voluntary severance offer was initiated as a result of the APAC divestiture in August 2006. As a result of the divestiture, it was determined that certain identified corporate costs that had previously been allocated to that business needed to be eliminated to maintain Ashland's overall competitiveness. As a means to eliminate those costs, Ashland offered an enhanced early retirement or voluntary severance opportunity to administrative and corporate employees during fiscal year 2007. In total, Ashland accepted voluntary severance offers from 172 employees under the program. As a result, a \$25 million pretax charge was recorded for severance, pension and other postretirement benefit costs during fiscal year 2007. The termination dates for employees participating in the program were completed and paid in fiscal year 2008.

In addition to the ongoing costs that typically occur each year related to formerly owned businesses, 2008 included \$8 million in expense for joint venture and other costs related to growth opportunities, which was fully offset by an \$11 million adjustment from favorable experiences related to Ashland's self-insurance program. Fiscal 2007 included \$4 million in reduced expenditures as well as \$8 million in income recorded from favorable experiences related to Ashland's self-insurance program. Included in 2006 were \$17 million in environmental remediation expenses, income of \$11 million from an insurance claim recovery and income of \$5 million from the favorable adjustment to the previously estimated withdrawal premium due Oil Insurance Limited (OIL), the energy-industry mutual insurance consortium in which Ashland terminated its participation effective December 31, 2005.

FINANCIAL POSITION

Liquidity

Ashland's cash flows from operating, investing and financing activities, as reflected in the Statements of Consolidated Cash Flows, are summarized as follows.

(In millions)	2008	2007	2006
Cash (used) provided by:			
Operating activities from continuing operations	\$478	\$189	\$145
Investing activities from continuing operations	(418)	(6)	(285)
Financing activities from continuing operations	(70)	(1,016)	(472)
Discontinued operations	(8)	(95)	1,445
Effect of currency exchange rate changes on cash and cash equivalents	7	5	2
Net (decrease) increase in cash and cash equivalents	\$(11)	\$(923)	\$835

Cash flows generated from operating activities from continuing operations, a major source of Ashland's liquidity, amounted to \$478 million in 2008, \$189 million in 2007 and \$145 million in 2006. The increased cash generated during 2008 primarily reflects a \$311 million and \$302 million cash improvement in operating assets and liabilities as compared to 2007 and 2006, respectively. The cash inflow for the current period was primarily attributable to changes within accounts receivable, inventory and trade and other payables as a result of Ashland's increased focus on working capital management throughout the company. These captions generated \$193 million of cash inflow during 2008 compared to cash outflows of \$234 million and \$92 million from the same captions during 2007 and 2006. During 2008, Ashland paid income taxes of \$53 million, compared to \$25 million in 2007 and \$140 million in 2006. Ashland contributed \$25 million to its qualified pension plans in 2008, compared with \$58 million in 2007 and \$111 million in 2006. Cash receipts for interest income was \$40 million in 2008 and \$59 million in 2007 and 2006, while cash payments for interest expense amounted to \$10 million in 2008, \$10 million in 2007 and \$9 million in

2006. Cash flows from discontinued operations, consisting primarily of cash flows from APAC, amounted to a cash outflow of \$8 million in 2008, \$95 million in 2007 and cash inflow of \$1,445 million in 2006.

During 2007, Ashland replaced its revolving credit agreement with a new five year revolving credit facility which provides for up to \$300 million in borrowings. Up to an additional \$100 million in borrowings is available with the consent of one or more of the lenders. The borrowing capacity under this new facility was reduced by \$102 million for letters of credit outstanding under the credit agreement at September 30, 2008. The revolving credit agreement contains a covenant limiting the total debt Ashland may incur from all sources as a function of Ashland's stockholders equity. The covenant's terms would have permitted Ashland to borrow \$4.7 billion at September 30, 2008 in addition to the actual total debt incurred at that time. Permissible total Ashland debt under the covenant's terms increases (or decreases) by 150% for any increase (or decrease) in stockholders' equity.

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On November 13, 2008, Ashland completed its acquisition of Hercules, creating a leading specialty chemicals company. The cost to acquire the 112.7 million shares of outstanding Hercules Common Stock at November 13, 2008, paid in cash and Ashland Common Stock, was approximately \$2.6 billion, consisting of cash consideration of \$2.1 billion and stock consideration, valued as of the original announcement date, of \$0.5 billion. Ashland Common Stock issued as part of the merger acquisition was approximately 10.5 million shares. In addition, Ashland assumed debt that had a carrying value of approximately \$0.8 billion as of the closing date.

In conjunction with the acquisition of Hercules previously described, Ashland secured \$2.6 billion in financing from Bank of America Securities LLC and Scotia Capital (USA) Inc. consisting of a \$400 million revolving credit facility, a \$400 million term loan A facility, an \$850 million term loan B facility, a \$200 million accounts receivable securitization facility, and a \$750 million bridge loan. The total debt drawn upon the closing of the completed merger was \$2.3 billion resulting in ongoing Ashland total debt of approximately \$2.6 billion, which included amounts used to fund the extinguishment of certain debt instruments that Hercules held as of the closing date.

As a result of the financing and subsequent debt issued to complete this merger, Standard & Poor's downgraded Ashland's corporate credit rating to BB- and Moody's Investor Services downgraded Ashland's corporate credit rating to Ba2. In addition, Ashland is now subject to cash and other restrictions from various debt covenants. These covenants include certain affirmative covenants such as various internal certifications, maintenance of property and applicable insurance coverage as well as negative covenants that include financial covenant restrictions associated with leverage and fixed charge coverage ratios and total net worth.

At September 30, 2008, working capital (excluding debt due within one year) amounted to \$1,823 million, compared to \$2,129 million at the end of 2007. Ashland's working capital is affected by its use of the LIFO method of inventory valuation that valued inventories below their replacement costs by \$200 million at September 30, 2008 and \$155 million at September 30, 2007. Liquid assets (cash, cash equivalents, available-for-sale securities and accounts receivable) amounted to 191% of current liabilities at September 30, 2008, compared to 219% at September 30, 2007. The decrease in both working capital and liquid assets is partially attributable to auction rate securities classified as noncurrent assets in the current year as opposed to being classified as current assets in the prior year.

At September 30, 2008, Ashland held at par value \$275 million of student loan auction rate securities, which are variable-rate debt securities and have a long-term maturity with the interest rates being reset through a dutch auction process typically held every 7 or 28 days, for which there was not an active market. Auction rate securities have historically traded at par value and are callable at par value at the option of the issuer. At September 30, 2008, all the student loan instruments held by Ashland were AAA rated and collateralized by student loans which have guarantees by the U.S. government under the Federal Family Education Loan Program.

Until February 2008, the auction rate securities market was highly liquid. Starting mid-February 2008, a substantial number of auctions became largely illiquid as there was not enough demand to sell all of the securities that holders desired to sell at auction. Because the auction rate securities market has failed to achieve equilibrium since mid-February, Ashland determined that there is insufficient observable auction rate securities market information available to determine the fair value of the student loan securities. As a result, Ashland developed various internal valuation models to estimate the fair value of these auction rate securities based on discounted cash flow models and relevant observable market prices. Assumptions used in estimating fair value include credit quality, liquidity, estimates on the probability of each valuation model, and the impact due to extended periods of maximum auction rates. Based on these various internal valuation models, Ashland has recorded a temporary impairment of \$32 million related to the student loan securities as of September 30, 2008. Any 25 basis point change in the discount rate or three month adjustment in the duration assumptions would impact the internal valuation model by approximately \$2 million.

Ashland believes this adjustment in valuation is necessary to account for the current limited liquidity of these instruments and should be temporary. Ashland believes these securities ultimately will be liquidated primarily due to the quality of the collateral securing most of the instruments as well as based on recent actions being taken to correct the current failed auctions in this marketplace. However, the period of time it could take to ultimately realize the securities' par value is currently not determinable and may be longer than twelve months. As a result, Ashland has classified these instruments as long-term assets at September 30, 2008 in Ashland's Consolidated Balance Sheet. As of September 30, 2008 Ashland has the intent and ability to hold the auction rate securities for a sufficient period of time to allow for recovery of the principal amounts invested.

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Capital resources

On September 14, 2006 Ashland's Board of Directors authorized the distribution of a substantial portion of the proceeds of the sale of APAC to the Ashland Common Stock shareholders as a one-time special dividend. Each shareholder of record as of October 10, 2006, received \$10.20 per share, for a total of \$674 million. This amount was accrued as dividends payable in the Consolidated Balance Sheet at September 30, 2006 and was subsequently paid during 2007. Substantially all of the remaining proceeds were directed to be used to repurchase Ashland Common Stock in accordance with the terms authorized by Ashland's Board of Directors. See Note L of Notes to Consolidated Financial Statements for a description of Ashland's share repurchase programs.

Ashland did not repurchase any shares during 2008, but did repurchase 4.7 million shares for \$288 million during 2007 and 6.7 million shares for \$405 million during 2006. Since July 2005 through September 30, 2007, Ashland has repurchased a total of 13.2 million shares at a cost of \$793 million. These repurchases represent approximately 18% of the shares outstanding on June 30, 2005. The stock repurchase actions were consistent with certain representations of intent made to the Internal Revenue Service with respect to the transfer of MAP. At September 30, 2008, 8.4 million common shares are reserved for issuance under stock incentive and deferred compensation plans. As part of the completed merger to acquire all of the outstanding shares of Hercules in November 2008, Ashland issued approximately 10.5 million shares. See Note Q of the Notes to Consolidated Financial Statements for additional details regarding the completed merger.

Property additions (excluding the property additions of the discontinued operations of APAC) averaged \$178 million during the last three years and are summarized in the Information by Industry Segment on page F-36. For the past three years, Performance Materials accounted for 30% of Ashland's capital expenditures, while Valvoline accounted for 20%, Distribution accounted for 17% and Water Technologies accounted for 12%. Capital used for acquisitions amounted to \$387 million during the last three years, of which \$210 million was invested in Performance Materials, \$169 million in Water Technologies and \$8 million in Valvoline. A summary of the capital employed in Ashland's current operations as of the end of the last three years follows.

(In millions)	2008	2007	2006
Capital employed			
Performance Materials	\$795	\$682	\$505
Distribution	521	672	564
Valvoline	485	501	489
Water Technologies	333	359	322

During 2008, Ashland reduced its total debt by \$3 million to \$66 million and stockholders' equity increased by \$48 million to \$3,202 million. The increases in stockholders' equity resulted from \$167 million of net income, \$17 million from issuance of common shares under stock incentive and other plans and \$4 million of translation gains associated with foreign operations. These increases were offset by a \$51 million decrease attributable to an increase in the pension and other postretirement liability, a \$20 million decrease associated with unrealized losses on investment securities and regular cash dividends of \$69 million. Debt as a percent of capital employed was 2.0% at September 30, 2008 compared to 2.1% at September 30, 2007.

During 2009, Ashland expects total capital expenditures, including those related to the Hercules businesses, to be below the actual capital expenditures of \$205 million in 2008. Capital expenditures during 2008 included several significant nonrecurring expenditures, including \$40 million for growth initiatives specifically related to China, which included construction of an administration and technology office building, and \$10 million for costs associated with the implementation of the ERP system. In 2004, Ashland initiated a multi-year ERP project that is expected to increase efficiency and effectiveness in supply chain, financial, and environmental, health and safety processes. The

implementation of the ERP system began in October 2005 in Canada, continued during fiscal 2007 for all U.S. operations, and was successfully launched in our Europe, Middle East, Africa, China and Singapore operations during 2008. As of September 30, 2008, Ashland had more than 90% of global revenue converted and functioning on this one ERP system, which is a significant milestone. The total cost of the project through fiscal 2008 is \$144 million, of which \$118 million has been capitalized.

On November 20, 2008, the Board of Directors of Ashland declared a quarterly cash dividend of 7.5 cents per share, payable December 15, 2008, to shareholders of record at the close of business on December 1, 2008. This is reduced from the previous quarterly dividend of 27.5 cents per share. In total, the reduction is expected to decrease Ashland's annual cash outflow for dividends by approximately \$60 million.

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The following table aggregates Ashland's obligations and commitments to make future payments under existing contracts at September 30, 2008. Contractual obligations for which the ultimate settlement of quantities or prices are not fixed and determinable have been excluded.

(In millions)	Total	2009	2010- 2011	2012- 2013	Later Years
Contractual obligations					
Raw material and service contract purchase obligations (a)	\$101	\$53	\$48	\$-	\$-
Employee benefit obligations (b)	270	32	46	51	141
Operating lease obligations (c)	215	42	67	49	57
Long-term debt (d)	66	21	4	28	13
Unrecognized tax benefits (e)	79	5	3	1	70
Total contractual obligations	\$731	\$153	\$168	\$129	\$281
Other commitments					
Letters of credit (f)	\$102	\$102	\$-	\$-	\$-

- (a) Includes raw material and service contracts where minimal committed quantities and prices are fixed.
- (b) Includes estimated funding of Ashland's qualified U.S. and non-U.S. pension plans for 2009, as well as projected benefit payments through 2018 under Ashland's unfunded pension and other postretirement benefit plans. See Note N of Notes to Consolidated Financial Statements for additional information.
- (c) Includes leases for office buildings, retail outlets, transportation equipment, warehouses and storage facilities and other equipment. For further information see Note I of Notes to Consolidated Financial Statements.
- (d) Includes principal and interest payments. Capitalized lease obligations are not significant and are included in long-term debt. For further information see Note G of Notes to Consolidated Financial Statements.
- (e) Due to uncertainties in the timing of the effective settlement of tax positions with respect to taxing authorities, Ashland is unable to determine the timing of payments related to noncurrent unrecognized tax benefits, including interest and penalties. Therefore, these amounts were principally included in the Later Years column.
- (f) Ashland issues various types of letters of credit as part of its normal course of business. For further information see Note G of Notes to Consolidated Financial Statements.

OFF-BALANCE SHEET ARRANGEMENTS

As part of its normal course of business, Ashland is a party to various financial guarantees and other commitments. These arrangements involve elements of performance and credit risk that are not included in the consolidated balance sheets. The possibility that Ashland would have to make actual cash expenditures in connection with these obligations is largely dependent on the performance of the guaranteed party, or the occurrence of future events that Ashland is unable to predict. Ashland has reserved the approximate fair value of these guarantees in

accordance with the provisions of Interpretation No. 45 (FIN 45) Guarantor's Accounting and Disclosure Requirements for Guarantees.

APPLICATION OF CRITICAL ACCOUNTING POLICIES

The preparation of Ashland's consolidated financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues and expenses, and the disclosures of contingent assets and liabilities. Significant items that are subject to such estimates and assumptions include long-lived assets, employee benefit obligations, income taxes, reserves and associated receivables for asbestos litigation and environmental remediation. Although management bases its estimates on historical experience and various other assumptions that are believed to be reasonable under the circumstances, actual results could differ significantly from the estimates under different assumptions or conditions. Management has reviewed the estimates affecting these items with the Audit Committee of Ashland's Board of Directors.

Long-lived assets

The cost of plant and equipment is depreciated principally by the straight-line method over the estimated useful lives of the assets. Useful lives are based on historical experience and are adjusted when changes in planned use, technological advances or other factors show that a different life would be more appropriate. Such costs are periodically reviewed for recoverability when impairment indicators are present. Such indicators include, among other factors, operating losses, unused capacity, market value declines and technological obsolescence. Recorded values of property, plant and equipment that are not expected to be recovered through undiscounted future net cash flows are written down to current fair value,

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which generally is determined from estimated discounted future net cash flows (assets held for use) or net realizable value (assets held for sale). Asset impairment charges were \$2 million in 2008, \$15 million in 2007 and \$6 million in 2006.

Goodwill and intangible assets with indefinite lives are subject to an annual impairment test as of July 1 and whenever events or circumstances make it more likely than not that an impairment may have occurred. Such tests are completed separately with respect to the goodwill of each of Ashland's reporting units, which are operating segments or business units within these operating segments. Because market prices of Ashland's reporting units are not readily available, management makes various estimates and assumptions in determining the estimated fair values of those units. Fair values are based principally on EBITDA (earnings before interest, taxes, depreciation and amortization) multiples of peer group companies for each of these reporting units and, as deemed necessary, a discounted cash flow model. Ashland did not recognize any goodwill impairment during 2008, 2007 and 2006. The most recent annual impairment tests indicated that the fair values of each of Ashland's reporting units with significant goodwill were in excess of their carrying values, with consolidated fair values exceeding carrying values by approximately 17%. Despite that excess, however, impairment charges could still be required if a divestiture decision or other significant economic event were made or occurred with respect to a particular business included in one of the reporting units. Subsequent to this annual impairment test, no indications of an impairment were identified.

Employee benefit obligations

Ashland and its subsidiaries sponsor contributory and noncontributory qualified and non-qualified defined benefit pension plans that cover substantially all employees in the United States and in a number of other countries. Benefits under these plans generally are based on employees' years of service and compensation during the years immediately preceding their retirement. In addition, the companies also sponsor unfunded postretirement benefit plans, which provide health care and life insurance benefits for eligible employees who retire or are disabled. Retiree contributions to Ashland's health care plans are adjusted periodically, and the plans contain other cost-sharing features, such as deductibles and coinsurance. Life insurance plans generally are noncontributory.

Certain assumptions are used to measure the plan obligations of company-sponsored defined benefit pension plans and postretirement benefit plans. Ashland's pension and other postretirement obligations and annual expense calculations are based on a number of key assumptions including the discount rate at which obligations can be effectively settled, the anticipated rate of compensation increase, the expected long-term rate of return on plan assets and certain employee-related factors, such as turnover, retirement age and mortality. Because Ashland's retiree health care plans contain various caps that limit Ashland's contributions and because medical inflation is expected to continue at a rate in excess of these caps, the health care cost trend rate has no material impact on Ashland's postretirement health care benefit costs.

Ashland developed the discount rate used to determine the present value of its obligations under the U.S. pension and postretirement health and life plans by matching the stream of benefit payments from the plans to the Mercer Pension Discount Yield Curve Spot Rates. Ashland uses this approach to reflect the specific cash flows of these plans for determining the discount rate. The discount rate determined as of September 30, 2008 was 8.01% for the U.S. pension plans and 7.78% for the postretirement health and life plans. Non-U.S. pension plans followed a similar process based on financial markets in those countries where Ashland provides a defined benefit pension plan. The weighted-average discount rate for Ashland's U.S. and non-U.S. pension plans combined was 7.81% as of September 30, 2008.

At September 30, 2007, the discount rate for U.S. pension and postretirement health and life plans was established by matching the benefit payment streams from the plans to the Citigroup Pension Discount Curve Spot Rates. The Mercer Pension Discount Yield Curve was elected in 2008. While both models use the same Ashland-specific benefit cash flows, the Mercer model is based on actual corporate rates. Management determined that during a period of such extreme market volatility, a model that closely reflects corporate rates would be more appropriate.

Ashland's expense under both U.S. and non-U.S. pension plans is determined using the discount rate as of the beginning of the fiscal year, which amounted to a weighted-average rate of 6.16% for 2008, 5.66% for 2007 and 5.42% for 2006. The rates used for the postretirement health and life plans were 5.96% for 2008, 5.64% for 2007 and 5.33% for 2006. The 2009 expense for the pension plans will be based on a weighted-average discount rate of 7.81%, while 7.78% will be used for the postretirement health and life plans.

The weighted-average rate of compensation increase assumptions were 3.74% for 2008, 3.74% for 2007 and 4.46% for 2006. The compensation increase assumptions for the U.S. plans were 3.75% for 2008, 3.75% for 2007 and 4.25% for 2006. The rate of the compensation increase assumption for the U.S. plans will remain at 3.75% in determining Ashland's pension costs for 2009.

The weighted-average long-term expected rate of return on assets was assumed to be 7.62% in 2008, 7.58% in 2007 and 8.26% in 2006. The long-term expected rate of return on assets for the U.S. plans was assumed to be 7.75% in 2008, 7.75% in 2007 and 8.50% in 2006. For 2008, the U.S. pension plan assets generated an actual loss of 18.5%, compared to

an actual return of 15.3% in 2007 and 8.8% in 2006. However, the expected return on plan assets is designed to be a long-term assumption, and actual returns will be subject to considerable year-to-year variances. Ashland has generated compounded annual investment returns of 5.4% and 4.9% on its U.S. pension plan assets over the last five-year and ten-year periods. In 2008, 17% of the pension portfolio was shifted from equity investments to alternative assets, prompting an increase in the expected return on U.S. plan assets to 8.25% in determining Ashland's pension costs for 2009. Ashland estimates total fiscal 2009 pension costs to be approximately \$55 million.

As of September 30, 2007, Ashland revised certain demographic assumptions used to determine its pension and other postretirement benefit costs. To comply with provisions of the Pension Protection Act of 2006, the mortality assumption was changed to the RP2000 Combined Mortality Table with mortality improvement projected forward from the base year of 2007 by seven years for annuitants and 15 years for nonannuitants using Scale AA. The previous mortality assumption was the RP2000 Combined Mortality Table for Males and Females – Healthy Lives projected to 2006 using Scale AA. The turnover and retirement rates are based upon actual experience and were not revised.

Shown below are the estimated increases in pension and postretirement expense that would have resulted from a one percentage point change in each of the assumptions for each of the last three years.

(In millions)	2008	2007	2006
Increase in pension costs from			
Decrease in the discount rate	\$16	\$24	\$25
Increase in the salary adjustment rate	7	9	11
Decrease in the expected return on plan assets	15	13	11
Increase in other postretirement costs from			
Decrease in the discount rate	2	2	2

Income taxes

Ashland is subject to income taxes in the United States and numerous foreign jurisdictions. Significant judgment is required in determining Ashland's provision for income taxes and the related assets and liabilities. Income taxes are accounted for under FASB Statement No. 109 (FAS 109), Accounting for Income Taxes. The provision for income taxes includes income taxes paid, currently payable or receivable, and those deferred. Under FAS 109, deferred tax assets and liabilities are determined based on differences between financial reporting and tax basis of assets and liabilities, and are measured using enacted tax rates and laws that are expected to be in effect when the differences reverse. Deferred tax assets are also recognized for the estimated future effects of tax loss carryforwards. The effect on deferred taxes of changes in tax rates is recognized in the period in which the enactment date changes. Valuation allowances are established when necessary on a jurisdictional basis to reduce deferred tax assets to the amounts expected to be realized.

In June 2006, FASB issued Interpretation No. 48, Accounting for Uncertainty in Income Taxes (FIN 48). FIN 48 clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements in accordance with Financial Accounting Standard No. 109 (FAS 109), Accounting for Income Taxes. FIN 48 prescribes a recognition threshold and measurement attributes for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. FIN 48 also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure and transition. Ashland adopted the provisions of FIN 48 effective October 1, 2007. The cumulative effect of adoption of FIN 48 resulted in a reduction to the October 1, 2007 opening retained earnings balance of less than \$1 million. For additional information on the adoption, implementation and disclosure requirements of this Interpretation see Note K.

Asbestos-related litigation

Ashland is subject to liabilities from claims alleging personal injury caused by exposure to asbestos. Such claims result primarily from indemnification obligations undertaken in 1990 in connection with the sale of Riley, a former subsidiary. Although Riley was neither a producer nor a manufacturer of asbestos, its industrial boilers contained some asbestos-containing components provided by other companies.

Ashland retained HR&A to assist in developing and annually updating independent reserve estimates for future asbestos claims and related costs given various assumptions. The methodology used by HR&A to project future asbestos costs is based largely on Ashland's recent experience, including claim-filing and settlement rates, disease mix, enacted legislation, open claims, and litigation defense and claim settlement costs. Ashland's claim experience is compared to the results of previously conducted epidemiological studies estimating the number of people likely to develop asbestos-related diseases. Those studies were undertaken in connection with national analyses of the population expected to have been exposed to

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asbestos. Using that information, HR&A estimates a range of the number of future claims that may be filed, as well as the related costs that may be incurred in resolving those claims.

From the range of estimates, Ashland records the amount it believes to be the best estimate of future payments for litigation defense and claim settlement costs. During the most recent update of this estimate completed during 2008, it was determined that the reserve for asbestos claims should be increased by \$2 million. This increase in the reserve was based on the results of a non-inflated, non-discounted 51-year model developed with the assistance of HR&A. This increase resulted in total reserves for asbestos claims of \$572 million at September 30, 2008, compared to \$610 million at September 30, 2007.

Projecting future asbestos costs is subject to numerous variables that are extremely difficult to predict. In addition to the significant uncertainties surrounding the number of claims that might be received, other variables include the type and severity of the disease alleged by each claimant, the long latency period associated with asbestos exposure, dismissal rates, costs of medical treatment, the impact of bankruptcies of other companies that are co-defendants in claims, uncertainties surrounding the litigation process from jurisdiction to jurisdiction and from case to case, and the impact of potential changes in legislative or judicial standards. Furthermore, any predictions with respect to these variables are subject to even greater uncertainty as the projection period lengthens. In light of these inherent uncertainties, Ashland believes its asbestos reserve represents the best estimate within a range of possible outcomes. As a part of the process to develop Ashland's estimates of future asbestos costs, a range of long-term cost models is developed. These models are based on national studies that predict the number of people likely to develop asbestos-related diseases and are heavily influenced by assumptions regarding long-term inflation rates for indemnity payments and legal defense costs, as well as other variables mentioned previously. Ashland has estimated that it is reasonably possible that total future litigation defense and claim settlement costs on an inflated and undiscounted basis could range as high as approximately \$1 billion, depending on the combination of assumptions selected in the various models. If actual experience is worse than projected relative to the number of claims filed, the severity of alleged disease associated with those claims or costs incurred to resolve those claims, Ashland may need to increase further the estimates of the costs associated with asbestos claims and these increases could potentially be material over time.

Ashland has insurance coverage for most of the litigation defense and claim settlement costs incurred in connection with its asbestos claims, and coverage-in-place agreements exist with the insurance companies that provide most of the coverage currently being accessed. As a result, increases in the asbestos reserve have been largely offset by probable insurance recoveries. The amounts not recoverable generally are due from insurers that are insolvent, rather than as a result of uninsured claims or the exhaustion of Ashland's insurance coverage.

Ashland has estimated the value of probable insurance recoveries associated with its asbestos reserve based on management's interpretations and estimates surrounding the available or applicable insurance coverage, including an assumption that all solvent insurance carriers remain solvent. Approximately 65% of the estimated receivables from insurance companies are expected to be due from domestic insurers, of which 83% have a credit rating of B+ or higher by A. M. Best as of September 30, 2008. The remainder of the insurance receivable is due from London insurance companies, which generally have lower credit quality ratings, and from Underwriters at Lloyd's, which is reinsured by Equitas (Limited). Ashland discounts a substantial portion of this piece of the receivable based upon the projected timing of the receipt of cash from those insurers. During 2007 a significant amount of Equitas' reinsurance of liabilities became reinsured by National Indemnity Corporation, a member of the Berkshire Hathaway group of insurance companies with a current A. M. Best rating of A++. As a result Ashland reassessed its assumptions for the receivable recorded from Equitas, and due to the improved credit quality of this portion of the receivable, Ashland increased its recorded receivable by \$21 million during 2007.

At September 30, 2008, Ashland's receivable for recoveries of litigation defense and claim settlement costs from insurers amounted to \$458 million, of which \$77 million relate to costs previously paid. Receivables from insurers amounted to \$488 million at September 30, 2007. During 2008, the model used for purposes of valuing the asbestos

reserve described above, and its impact on the valuation of future recoveries from insurers was updated, which caused an additional \$8 million increase in the receivable for probable insurance recoveries.

Environmental remediation

Ashland is subject to various federal, state and local environmental laws and regulations that require environmental assessment or remediation efforts (collectively environmental remediation) at multiple locations. At September 30, 2008, such locations included 62 waste treatment or disposal sites where Ashland has been identified as a potentially responsible party under Superfund or similar state laws, 105 current and former operating facilities (including certain operating facilities conveyed to MAP) and about 1,220 service station properties, of which 177 are being actively remediated. Ashland's reserves for environmental remediation amounted to \$149 million at September 30, 2008, compared to \$174 million at September 30, 2007, of which \$112 million at September 30, 2008 and \$153 million at September 30, 2007 were classified

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in noncurrent liabilities on the Consolidated Balance Sheets. The total reserves for environmental remediation reflect Ashland's estimates of the most likely costs that will be incurred over an extended period to remediate identified conditions for which the costs are reasonably estimable, without regard to any third-party recoveries. Engineering studies, probability techniques, historical experience and other factors are used to identify and evaluate remediation alternatives and their related costs in determining the estimated reserves for environmental remediation. Ashland regularly adjusts its reserves as environmental remediation continues. Ashland has estimated the value of its probable insurance recoveries associated with its environmental reserve based on management's interpretations and estimates surrounding the available or applicable insurance coverage. At September 30, 2008 and 2007 Ashland's recorded receivable for these probable insurance recoveries was \$40 million and \$44 million, respectively. Environmental remediation expense is included within the selling, general and administrative expense caption of the Statements of Consolidated Income and on an aggregate basis amounted to \$11 million in 2008, \$15 million in 2007 and \$59 million in 2006. Environmental remediation expense, net of receivable activity, was \$7 million in 2008, \$7 million in 2007 and \$47 million in 2006.

The decrease in net environmental remediation expense during fiscal 2008 and 2007 compared to fiscal 2006 is principally attributable to favorable remediation developments for a portion of our sites and enhancements made to our environmental remediation estimation process. In addition, in fiscal 2007, engineering estimates for future remediation costs related to former Ashland properties transferred to Marathon Ashland Petroleum LLC (MAP) exceeded a contractual ceiling established with Marathon Oil Corporation under the terms of the MAP Transaction. As part of the MAP Transaction, Ashland agreed to pay the first \$50 million of environmental remediation costs incurred on or after January 1, 2004 related to former Ashland petroleum properties that were contributed to MAP upon the formation of the joint venture in 1998. Engineering estimates for future remediation costs related to former Ashland properties transferred to MAP exceeded the \$50 million ceiling during fiscal 2007. Accordingly, after that point, no additional expense was required for these sites.

Environmental remediation reserves are subject to numerous inherent uncertainties that affect Ashland's ability to estimate its share of the costs. Such uncertainties involve the nature and extent of contamination at each site, the extent of required cleanup efforts under existing environmental regulations, widely varying costs of alternate cleanup methods, changes in environmental regulations, the potential effect of continuing improvements in remediation technology, and the number and financial strength of other potentially responsible parties at multiparty sites. Although it is not possible to predict with certainty the ultimate costs of environmental remediation, Ashland currently estimates that the upper end of the reasonably possible range of future costs for identified sites could be as high as approximately \$230 million. No individual remediation location is material to Ashland, as its largest reserve for any site does not exceed 15% of the remediation reserve.

OUTLOOK

During the past several years Ashland has redesigned its core operations to better position each business for future growth while combining to form a dynamic company that is a leading global provider of specialty chemicals. In recent years Ashland has divested several key non-core businesses and reinvested those proceeds in both organic and acquisitive growth opportunities, culminating in Ashland's recent purchase in November 2008 of Hercules. This recent acquisition propels Ashland to a global leadership position with expanded capabilities and promising growth potential in specialty resins, specialty additives and functional ingredients and paper and water technologies.

Performance Materials will continue to be challenged by the difficult conditions in the North American construction and transportation markets and the recent downturn in the European market. As a result of these weakening market conditions in many of Performance Materials' key North American markets, reductions have occurred in operational headcount at five manufacturing facilities. In addition, the Composite Polymers and Specialty Polymers and

Adhesives business units were consolidated during the last quarter of fiscal 2008, combining many sales, marketing, technical and administrative roles. Substantial improvements in Performance Materials' cost structure as a result of these personnel decreases, as well as the reductions in the hours of operations and headcount at certain manufacturing facilities, should curtail the impact of adverse economic conditions. Ashland expects that price increases implemented during the last quarter of fiscal 2008, combined with softness in the crude oil market, should provide some improvement to the gross profit percentage of the business, as long as volume reductions are not significant.

Distribution's future performance will continue to be affected by volatile raw material costs and weakness in North American industrial output, particularly from the core markets of building and construction, coatings, automotive and marine. The volume in this business is predominantly contingent on these U.S. industrial production sectors and Ashland remains concerned about the level of business activity of our customers due to the current global economic environment. While any one customer would not have a significant impact on this business, the widespread nature of the credit crisis will likely be reflected in reduced overall demand. However, the continued focus on pricing and margins should assist in partially mitigating the effects of these economic trends.

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Despite persistent volume declines in the overall lubricant market and unprecedented increases in raw material costs during 2008, Valvoline nearly equaled its record operating income performance of 2007. While volume challenges will likely continue during 2009, this business has demonstrated the ability to outperform the market as Valvoline Instant Oil Change and other international businesses are well positioned for continued earnings growth. Valvoline's price increases implemented during the last quarter of fiscal 2008 fully offset the record raw material cost increases received over the 2008 summer months, where the crude oil market climbed to over \$145 a barrel. These price increases combined with no significant prospects for higher base oil pricing, should enable gross profit to improve on a unit basis from depressed levels in the last half of 2008. Given the recent decline in the crude oil market, Ashland does expect downward pressure on raw material costs during 2009 in a highly competitive lubricant market.

Water Technologies implemented a number of cost reductions during 2008 in sales, marketing, technical, administrative and plant staffing, with additional reductions targeted for 2009, to harmonize the cost structure in support of this business. These reductions should have a positive impact on near-term results. In addition, during the first quarter of fiscal 2009, 35% to 40% of full service and municipal contracts come up for annual renewal and renegotiation. These new pricing contracts, along with recent price increases and a softer raw material market, should allow for gross profit percentage expansion from significantly reduced levels in the last quarter of fiscal 2008, particularly starting in the second quarter of fiscal 2009, after many contract renewals are negotiated.

During 2008 Ashland implemented several operational redesigns, primarily within our Performance Materials and Water Technologies businesses. Ashland is significantly ahead of plan in achieving initial targeted run-rate annualized cost savings of \$40 million by year-end fiscal 2009, already achieving a run-rate savings of \$41 million through the end of fiscal 2008. Through these operational redesign initiatives in the historical businesses, Ashland expects to achieve in total \$65 million of cost-structure efficiencies by the end of fiscal 2009.

The Hercules integration process is progressing. Identified synergy saving opportunities of approximately \$120 million are currently being implemented throughout both Ashland's previously existing organization and Hercules structure. Ashland expects to generate run-rate synergies of approximately \$80 million by the first anniversary of the closing date of the acquisition. As part of the financing agreement for this acquisition, Ashland will be subjected to cash restrictions from certain debt covenants, including leverage and fixed charge coverage ratios, which could restrict the company's financial and operational flexibility. With the commitment of these new employees and the addition of Hercules Paper Technologies and Ventures and Aqualon business operations, Ashland is poised for continued growth as a leader in the specialty chemical industry.

EFFECTS OF INFLATION AND CHANGING PRICES

Ashland's financial statements are prepared on the historical cost method of accounting and, as a result, do not reflect changes in the purchasing power of the U.S. dollar. Although annual inflation rates have been low in recent years, Ashland's results are still affected by the cumulative inflationary trend from prior years.

Certain of the industries in which Ashland operates are capital-intensive, and replacement costs for its plant and equipment generally would exceed their historical costs. Accordingly, depreciation and amortization expense would be greater if it were based on current replacement costs. However, because replacement facilities would reflect technological improvements and changes in business strategies, such facilities would be expected to be more productive than existing facilities, mitigating at least part of the increased expense.

Ashland uses the LIFO method to value a substantial portion of its inventories to provide a better matching of revenues with current costs. However, LIFO values such inventories below their replacement costs.

Monetary assets (such as cash, cash equivalents and accounts receivable) lose purchasing power as a result of inflation, while monetary liabilities (such as accounts payable and indebtedness) result in a gain, because they can be settled with dollars of diminished purchasing power. Ashland's monetary assets continues to currently exceed its monetary liabilities, leaving it more exposed to the effects of future inflation than in the past, when that relationship was reversed. However, given the recent consistent stability of inflation in the U.S. in the past several years as well as forward economic outlooks, current inflationary pressures seem moderate.

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FORWARD-LOOKING STATEMENTS

Management's Discussion and Analysis (MD&A) contains forward-looking statements, within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. The statements include those made with respect to Ashland's operating performance and Ashland's acquisition of Hercules Incorporated. These expectations are based upon a number of assumptions, including those mentioned within the MD&A. Performance estimates are also based upon internal forecasts and analyses of current and future market conditions and trends, management plans and strategies, operating efficiencies and economic conditions, such as prices, supply and demand, cost of raw materials, weather and legal proceedings and claims (including environmental and asbestos matters). These risks and uncertainties may cause actual operating results to differ materially from those stated, projected or implied. Such risks and uncertainties with respect to Ashland's acquisition of Hercules include the possibility that the benefits anticipated from the Hercules transaction will not be fully realized; the substantial indebtedness Ashland has incurred to finance the acquisition may impair Ashland's financial condition; the restrictive covenants under the debt instruments may hinder the successful operation of Ashland's business; future cash flow may be insufficient to repay the debt; and other risks that are described in filings made by Ashland with the Securities and Exchange Commission (SEC). Although Ashland believes its expectations are based on reasonable assumptions, it cannot assure the expectations reflected herein will be achieved. This forward-looking information may prove to be inaccurate and actual results may differ significantly from those anticipated if one or more of the underlying assumptions or expectations proves to be inaccurate or is unrealized or if other unexpected conditions or events occur. Other factors, uncertainties and risks affecting Ashland are contained in Risks and Uncertainties in Note A to the Notes to Consolidated Financial Statements and in Item 1A of this annual report on Form 10-K. Ashland undertakes no obligation to subsequently update or revise the forward-looking statements made in this news release to reflect events or circumstances after the date of this news release.

ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Ashland regularly uses foreign currency derivative instruments to manage its exposure to certain transactions denominated in foreign currencies. All derivative instruments are recognized as either assets or liabilities on the balance sheet and are measured at fair value. Changes in the fair value of all derivatives are recognized immediately in income unless the derivative qualifies as a hedge of future cash flows. Gains and losses related to a hedge are either recognized in income immediately to offset the gain or loss on the hedged item, or deferred and recorded in the stockholders' equity section of the Consolidated Balance Sheet as a component of total comprehensive income and subsequently recognized in the Statements of Consolidated Income when the hedged item affects net income. The ineffective portion of the change in fair value of a hedge is recognized in income immediately. Ashland has typically designated a limited portion of its foreign currency derivatives as qualifying for hedge accounting treatment, but their impact on the consolidated financial statements has not been significant. Credit risks arise from the possible inability of counterparties to meet the terms of their contracts, but exposure is limited to the replacement value of the contracts. Ashland further minimizes this credit risk through internal monitoring procedures and as of September 30, 2008 does not have significant credit risk on open derivative contracts. The potential loss from a hypothetical 10% adverse change in foreign currency rates on Ashland's open foreign currency derivative instruments at September 30, 2008 would not significantly affect Ashland's consolidated financial position, results of operations, cash flows or liquidity.

ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

INDEX TO CONSOLIDATED FINANCIAL STATEMENTS AND FINANCIAL SCHEDULE

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MANAGEMENT'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

Management is responsible for the preparation and integrity of the consolidated financial statements and other financial information included in this annual report on Form 10-K. Such financial statements are prepared in accordance with U.S. generally accepted accounting principles. Accounting principles are selected and information is reported which, using management's best judgment and estimates, present fairly Ashland's consolidated financial position, results of operations and cash flows. The other financial information in this annual report on Form 10-K is consistent with the consolidated financial statements.

Ashland's management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rules 13a-15(f) and 15d-15(f). Ashland's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of Ashland's consolidated financial statements. Ashland's internal control over financial reporting is supported by a code of business conduct which summarizes our guiding values such as obeying the law, adhering to high ethical standards and acting as responsible members of the communities where we operate. Compliance with that Code forms the foundation of our internal control systems, which are designed to provide reasonable assurance that Ashland's assets are safeguarded and its records reflect, in all material respects, transactions in accordance with management's authorization. The concept of reasonable assurance is based on the recognition that the cost of a system of internal control should not exceed the related benefits. Management believes that adequate internal controls are maintained by the selection and training of qualified personnel, by an appropriate division of responsibility in all organizational arrangements, by the establishment and communication of accounting and business policies, and by internal audits.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements and even when determined to be effective, can only provide reasonable assurance with respect to financial statement preparation and presentation. Also, projections of any evaluation of effectiveness to future periods are subject to the risks that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

The Board, subject to stockholder ratification, selects and engages the independent auditors based on the recommendation of the Audit Committee. The Audit Committee, composed of directors who are not members of management, reviews the adequacy of Ashland's policies, procedures, controls and risk management strategies, the scope of auditing and other services performed by the independent auditors, and the scope of the internal audit function. The Committee holds meetings with Ashland's internal auditor and independent auditors, with and without management present, to discuss the findings of their audits, the overall quality of Ashland's financial reporting and their evaluation of Ashland's internal controls. The report of Ashland's Audit Committee can be found in the Company's 2008 Proxy Statement.

Management assessed the effectiveness of Ashland's internal control over financial reporting as of September 30, 2008. Management conducted its assessment utilizing the framework described in Internal Control - Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). Based on this assessment, management believes that Ashland maintained effective internal control over financial reporting as of September 30, 2008.

Ernst & Young LLP, an independent registered public accounting firm, has audited and reported on the consolidated financial statements of Ashland Inc. and consolidated subsidiaries and the effectiveness of Ashland's internal control over financial reporting. The reports of the independent auditors are contained in this Annual Report.

/s/ James J. O'Brien
James J. O'Brien
Chairman of the Board and
Chief Financial Officer

/s/ Lamar M. Chambers
Lamar M. Chambers
Senior Vice President and
Chief Financial Officer

November 25, 2008

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Board of Directors and Stockholders
Ashland Inc. and consolidated subsidiaries

We have audited the accompanying consolidated balance sheets of Ashland Inc. and consolidated subsidiaries as of September 30, 2008 and 2007, and the related statements of consolidated income, stockholders' equity, and cash flows for each of the three years in the period ended September 30, 2008. Our audits also included the financial statement schedule listed in the Index at Item 15(a). These financial statements and schedule are the responsibility of Ashland Inc. and consolidated subsidiaries' management. Our responsibility is to express an opinion on these financial statements and schedule based on our audits.

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

In our opinion, the financial statements referred to above present fairly, in all material respects, the consolidated financial position of Ashland Inc. and consolidated subsidiaries at September 30, 2008 and 2007, and the consolidated results of their operations and their cash flows for each of the three years in the period ended September 30, 2008, in conformity with U.S. generally accepted accounting principles. Also, in our opinion, the related financial statement schedule, when considered in relation to the basic financial statements taken as a whole, presents fairly in all material respects the information set forth therein.

As discussed in Note A to the consolidated financial statements, effective October 1, 2007, Ashland Inc. and consolidated subsidiaries adopted Financial Accounting Standards Board Interpretation No. 48, Accounting for Uncertainty in Income Taxes, an interpretation of FASB Statement No. 109. Also as discussed in Note A to the consolidated financial statements, effective September 30, 2007, Ashland Inc. and consolidated subsidiaries adopted Statement of Financial Accounting Standards No. 158, Employers' Accounting for Defined Benefit Pension and Other Postretirement Plans, an amendment of FASB Statements No. 87, 88, 106, and 132(R).

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), Ashland Inc. and consolidated subsidiaries' internal control over financial reporting as of September 30, 2008, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated November 25, 2008 expressed an unqualified opinion thereon.

/s/ Ernst & Young LLP

Cincinnati, Ohio
November 25, 2008

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Board of Directors and Stockholders
Ashland Inc. and consolidated subsidiaries

We have audited Ashland Inc. and consolidated subsidiaries' internal control over financial reporting as of September 30, 2008, based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (the COSO criteria). Ashland Inc. and consolidated subsidiaries' management is responsible for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the company's internal control over financial reporting based on our audit.

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

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

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

In our opinion, Ashland Inc. and consolidated subsidiaries maintained, in all material respects, effective internal control over financial reporting as of September 30, 2008, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated balance sheets of Ashland Inc. and consolidated subsidiaries as of September 30, 2008 and 2007, and the related statements of consolidated income, stockholders' equity, and cash flows for each of the three years in the period ended September 30, 2008, and our report dated November 25, 2008 expressed an unqualified opinion thereon.

/s/ Ernst & Young LLP

Cincinnati, Ohio
November 25, 2008

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Ashland Inc. and Consolidated Subsidiaries
 Statements of Consolidated Income
 Years Ended September 30

(In millions except per share data)	2008	2007	2006
Sales and operating revenues	\$8,381	\$7,785	\$7,233
Costs and expenses			
Cost of sales and operating expenses	7,056	6,447	6,030
Selling, general and administrative expenses	1,166	1,171	1,077
	8,222	7,618	7,107
Equity and other income - Notes A & D	54	49	44
Operating income	213	216	170
Gain (loss) on the MAP Transaction - Note C (a)	20	(3)	(5)
Net interest and other financing income - Note G	28	46	47
Income from continuing operations before income taxes	261	259	212
Income taxes - Note K	86	58	29
Income from continuing operations	175	201	183
Income (loss) from discontinued operations (net of income taxes) - Note B	(8)	29	224
Net income	\$167	\$230	\$407
Earnings per share - Note A			
Basic			
Income from continuing operations	\$2.78	\$3.20	\$2.57
Income (loss) from discontinued operations	(0.13)	0.46	3.16
Net income	\$2.65	\$3.66	\$5.73
Diluted			
Income from continuing operations	\$2.76	\$3.15	\$2.53
Income (loss) from discontinued operations	(0.13)	0.45	3.11
Net income	\$2.63	\$3.60	\$5.64

(a) MAP Transaction refers to the June 30, 2005 transfer of Ashland's 38% interest in Marathon Ashland Petroleum LLC (MAP), Ashland's maleic anhydride business and 60 Valvoline Instant Oil Change centers in Michigan and northwest Ohio to Marathon Oil Corporation in a transaction valued at approximately \$3.7 billion. See Note C for further information.

See Notes to Consolidated Financial Statements.

Ashland Inc. and Consolidated Subsidiaries
Consolidated Balance Sheets
September 30

(In millions)	2008	2007
Assets		
Current assets		
Cash and cash equivalents	\$886	\$897
Available-for-sale securities - Note E	-	155
Accounts receivable (less allowances for doubtful accounts of \$33 million in 2008 and \$41 million in 2007) - Note A	1,469	1,467
Inventories - Note A	494	610
Deferred income taxes - Note K	97	69
Other current assets	86	78
	3,032	3,276
Investments and other assets		
Auction rate securities - Note E	243	-
Goodwill and other intangibles - Note F	408	377
Asbestos insurance receivable (noncurrent portion) - Note O	428	458
Deferred income taxes - Note K	154	157
Other noncurrent assets - Note H	394	435
	1,627	1,427
Property, plant and equipment - Note A		
Cost		
Land	82	79
Buildings	555	541
Machinery and equipment	1,520	1,390
Construction in progress	140	115
	2,297	2,125
Accumulated depreciation and amortization	(1,185)	(1,142)
	1,112	983
	\$5,771	\$5,686
Liabilities and Stockholders' Equity		
Current liabilities		
Current portion of long-term debt - Note G	\$21	\$5
Trade and other payables	1,209	1,141
Income taxes	-	6
	1,230	1,152
Noncurrent liabilities		
Long-term debt (noncurrent portion) - Note G	45	64
Employee benefit obligations - Note N	344	255
Asbestos litigation reserve (noncurrent portion) - Note O	522	560
Other noncurrent liabilities - Note H	428	501
	1,339	1,380
Stockholders' equity - Notes L & M		
Common stock, par value \$.01 per share, 200 million shares authorized		
Issued - 63 million shares in 2008 and 2007	1	1
Paid-in capital	33	16
Retained earnings	3,138	3,040

Accumulated other comprehensive income	30	97
	3,202	3,154
	\$5,771	\$5,686

See Notes to Consolidated Financial Statements.

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Ashland Inc. and Consolidated Subsidiaries
Statements of Consolidated Stockholders' Equity

(In millions)	Common stock	Paid-in capital	Retained earnings	Accumulated other comprehensive income (loss) (a)	Total
Balance at September 30, 2005	\$ 1	\$ 605	\$ 3,251	\$ (118)	\$ 3,739
Total comprehensive income (b)			407	74	481
Regular dividends, \$1.10 per common share		2	(80)		(78)
Special dividend, \$10.20 per common share - Note L		5	(679)		(674)
Issued 662,451 common shares under stock incentive and other plans (c)		33			33
Repurchase of 6,670,930 common shares		(405)			(405)
Balance at September 30, 2006	1	240	2,899	(44)	3,096
Total comprehensive income (b)			230	184	414
Regular dividends, \$1.10 per common share		(1)	(68)		(69)
Issued 728,839 common shares under stock incentive and other plans (c)		44			44
Adoption of FAS 158, net of \$27 million tax benefits				(43)	(43)
Repurchase of 4,712,000 common shares		(267)	(21)		(288)
Balance at September 30, 2007	1	16	3,040	97	3,154
Total comprehensive income (b)			167	(67)	100
Regular dividends, \$1.10 per common share			(69)		(69)
Issued 151,821 common shares under stock incentive and other plans (c)		17			17
Balance at September 30, 2008	\$ 1	\$ 33	\$ 3,138	\$ 30	\$ 3,202

(a) At September 30, 2008 and 2007, the accumulated other comprehensive income (after-tax) of \$30 million for 2008 and \$97 million for 2007 was comprised of pension and postretirement obligations of \$107 million for 2008 and \$55 million for 2007, net unrealized translation gains of \$157 million for 2008 and \$153 million for 2007, net unrealized losses on investment securities of \$20 million for 2008, and net unrealized losses on cash flow hedges of \$1 million for 2007.

(b) Reconciliations of net income to total comprehensive income follow.

(In millions)	2008	2007	2006
Net income	\$ 167	\$ 230	\$ 407
Pension and postretirement obligation adjustment	(84)	165	76
Related tax (expense) benefit	33	(64)	(29)
Unrealized translation gains	4	82	27
Related tax benefit	-	-	1
Net unrealized losses on investment securities	(32)	-	-
Related tax benefit	12	-	-
Unrealized gains (losses) on cash flow hedges	-	1	(1)
Total comprehensive income	\$ 100	\$ 414	\$ 481

(c) Includes income tax benefits resulting from the exercise of stock options of \$2 million in 2008, \$12 million in 2007 and \$7 million in 2006.

See Notes to Consolidated Financial Statements.

Ashland Inc. and Consolidated Subsidiaries
 Statements of Consolidated Cash Flows
 Years Ended September 30

(In millions)	2008	2007	2006
Cash flows from operating activities from continuing operations			
Net income	\$ 167	\$ 230	\$ 407
Loss (income) from discontinued operations (net of income taxes)	8	(29)	(224)
Adjustments to reconcile income from continuing operations to cash flows from operating activities			
Depreciation and amortization	145	133	111
Deferred income taxes	44	22	(1)
Equity income from affiliates	(23)	(15)	(11)
Distributions from equity affiliates	13	10	5
Gain from the sale of property and equipment	(2)	(4)	(1)
Stock based compensation expense	12	16	25
(Gain) loss on the MAP Transaction - Note C	(20)	3	5
Change in operating assets and liabilities (a)	134	(177)	(168)
Other items	-	-	(3)
	478	189	145
Cash flows from investing activities from continuing operations			
Additions to property, plant and equipment	(205)	(154)	(175)
Proceeds from the disposal of property, plant and equipment	10	27	21
Purchase of operations - net of cash acquired	(129)	(75)	(183)
Proceeds from sale of operations	26	-	-
Purchases of available-for-sale securities	(435)	(484)	(824)
Proceeds from sales and maturities of available-for-sale securities	315	680	876
	(418)	(6)	(285)
Cash flows from financing activities from continuing operations			
Proceeds from the exercise of stock options	3	19	18
Excess tax benefits related to share-based payments	1	9	6
Repayment of long-term debt	(5)	(13)	(13)
Repurchase of common stock	-	(288)	(405)
Cash dividends paid	(69)	(743)	(78)
	(70)	(1,016)	(472)
Cash used by continuing operations			
Cash (used) provided by discontinued operations	(10)	(833)	(612)
Operating cash flows	(8)	(3)	197
Investing cash flows	-	(92)	1,248
	(8)	(95)	1,445
Effect of currency exchange rate changes on cash and cash equivalents - Note A			
	7	5	2
(Decrease) increase in cash and cash equivalents	(11)	(923)	835
Cash and cash equivalents - beginning of year	897	1,820	985
Cash and cash equivalents - end of year	\$ 886	\$ 897	\$ 1,820
(Increase) decrease in operating assets (a)			
Accounts receivable	\$ 10	\$(56)	\$(77)
Inventories	126	(75)	(56)

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Other current assets	(53)	(22)	21
Investments and other assets	78		90		(2
Increase (decrease) in operating liabilities (a))
Trade and other payables	57		(103)	41
Other current liabilities	(7)	(20)	(90
Pension contributions	(25)	(58)	(111
Noncurrent liabilities	(52)	67		106
Change in operating assets and liabilities	\$134		\$(177)	\$(168
)
Supplemental disclosures					
Interest paid	\$10		\$10		\$9
Income taxes paid	53		25		140

(a) Excludes changes resulting from operations acquired or sold.

See Notes to Consolidated Financial Statements.

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Ashland Inc. and Consolidated Subsidiaries
Notes to Consolidated Financial Statements

NOTE A – SIGNIFICANT ACCOUNTING POLICIES

Principles of consolidation and basis of presentation

The consolidated financial statements include the accounts of Ashland and its majority owned subsidiaries. Investments in joint ventures and 20% to 50% owned affiliates where Ashland has the ability to exert significant influence are accounted for by the equity method. All material intercompany transactions and balances have been eliminated. Certain prior period data has been reclassified in the consolidated financial statements and accompanying notes to conform to the current period presentation. Equity and other income, which previously had been classified within the revenue caption of the Statements of Consolidated Income during 2007 and 2006, has been combined and reclassified as a separate caption included in the computation of operating income within these financial statements. The effect of currency exchange rate changes on cash and cash equivalents, which previously had been classified within operating activities of the Statements of Consolidated Cash Flows during 2007 and 2006, has been reclassified as a separate caption within these financial statements. These reclassifications did not impact operating income, net income, earnings per share or net change in cash and cash equivalents, as previously reported.

On August 28, 2006, Ashland completed the sale of the stock of its wholly owned subsidiary, Ashland Paving And Construction, Inc. (APAC), to Oldcastle Materials, Inc. (Oldcastle). The operating results related to APAC have been reflected as discontinued operations in the consolidated financial statements for all periods presented. Unless otherwise noted, amounts in these Notes to Consolidated Financial Statements exclude amounts attributable to discontinued operations.

Use of estimates, risks and uncertainties

The preparation of Ashland's consolidated financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues and expenses, and the disclosures of contingent assets and liabilities. Significant items that are subject to such estimates and assumptions include certain financial instruments, long-lived assets, employee benefit obligations, income taxes, reserves and associated receivables for asbestos litigation and environmental remediation. Although management bases its estimates on historical experience and various other assumptions that are believed to be reasonable under the circumstances, actual results could differ significantly from the estimates under different assumptions or conditions.

Ashland's results are affected by domestic and international economic, political, legislative, regulatory and legal actions. Economic conditions, such as recessionary trends, inflation, interest and monetary exchange rates, government fiscal policies, and changes in the prices of hydrocarbon-based products and other raw materials, can have a significant effect on operations. While Ashland maintains reserves for anticipated liabilities and carries various levels of insurance, Ashland could be affected by civil, criminal, regulatory or administrative actions, claims or proceedings relating to asbestos, environmental remediation or other matters.

Cash and cash equivalents

Cash and cash equivalents include cash and highly liquid investments maturing within three months after purchase.

Investment securities

Securities are classified as held-to-maturity or available-for-sale on the date of purchase. Ashland did not have any securities classified as held-to-maturity as of September 30, 2008 and 2007. Available-for-sale securities are reported at fair value with unrealized gains and losses, net of related deferred income taxes, included in accumulated other comprehensive income, a component of stockholders' equity. Interest and dividends along with realized gains or losses are reported within the caption net interest and other financing income in the Statements of Consolidated Income. The cost of securities sold is based on the specific identification method. All securities are reviewed quarterly for possible other-than-temporary impairment. The review includes an analysis of the facts and circumstances of each individual investment such as the severity of loss, the length of time the fair value has been below cost, the expectation for that security's performance, the creditworthiness of the issuer and Ashland's intent and ability to hold the security. A decline in value that is considered to be other-than-temporary is recorded as a loss within the caption net interest and other financing income in the Statements of Consolidated Income.

Allowance for doubtful accounts

Ashland records an allowance for doubtful accounts as a best estimate of the amount of probable credit losses for accounts receivable. Each month Ashland reviews this allowance and considers factors such as customer credit, past

NOTE A – SIGNIFICANT ACCOUNTING POLICIES (continued)

transaction history with the customer and changes in customer payment terms when determining whether the collection of a receivable is reasonably assured. Past due balances over 90 days and over a specified amount are reviewed individually for collectibility. Receivables are charged off against the allowance for doubtful accounts when it is probable a receivable will not be recovered.

Inventories

(In millions)	2008	2007
Chemicals and plastics	\$549	\$625
Lubricants	127	117
Other products and supplies	18	23
Excess of replacement costs over LIFO carrying values	(200)	(155)
	\$494	\$610

Inventories are carried at the lower of cost or market. Chemicals, plastics and lubricants with a replacement cost of \$384 million at September 30, 2008, and \$416 million at September 30, 2007, are valued at cost using the last-in, first-out (LIFO) method. The remaining inventories are stated at cost using the first-in, first-out (FIFO) method or average cost method (which approximates FIFO). Liquidation of LIFO layers resulted in a net decrease to cost of sales and operating expenses of \$31 million in 2008. LIFO liquidations did not have a material impact to cost of sales and operating expenses in 2007 and 2006.

Property, plant and equipment

The cost of property, plant and equipment is depreciated by the straight-line method over the estimated useful lives of the assets. Buildings are depreciated principally over 25 to 35 years and machinery and equipment principally over 4 to 15 years. Such costs are periodically reviewed for recoverability when impairment indicators are present. Such indicators include, among other factors, operating losses, unused capacity, market value declines and technological obsolescence. Recorded values of property, plant and equipment that are not expected to be recovered through undiscounted future net cash flows are written down to current fair value, which generally is determined from estimated discounted future net cash flows (assets held for use) or net realizable value (assets held for sale). Asset impairment charges are included within the selling, general and administrative expense caption of the Statements of Consolidated Income and were \$2 million in 2008, \$15 million in 2007 and \$6 million in 2006. Impairment expense for 2007 includes an \$11 million charge related to PathGuard® pathogen control equipment. As a result of Water Technologies' decision to withdraw from this market during 2007, these assets were written down to the approximate fair value of comparable assets.

In March 2005, the Financial Accounting Standards Board (FASB) issued Interpretation No. 47 (FIN 47), Accounting for Conditional Asset Retirement Obligations, an interpretation of FASB Statement No. 143, Accounting for Asset Retirement Obligations. FIN 47 requires that a liability be established for all legal obligations associated with the retirement of a tangible long-lived asset that result from the acquisition, construction, or development and (or) the normal operation of a long-lived asset. The adoption of FIN 47 during fiscal year 2006 did not have a material effect on Ashland's financial position, results of operations or cash flows.

Goodwill and other intangibles

In accordance with FASB Statement No. 142 (FAS 142), Goodwill and Other Intangible Assets, goodwill and indefinite-lived intangible assets are tested for impairment annually as of July 1 and whenever events or circumstances make it more likely than not that an impairment may have occurred. In accordance with FAS 142, Ashland reviewed goodwill for impairment based on its identified reporting units, which are defined as operating segments or groupings of businesses one level below the operating segment level. Goodwill is tested for impairment by comparing the estimated fair value of its reporting units, determined using a market approach and, as deemed necessary, a discounted cash flow model, with units' carrying value. Ashland tests its indefinite-lived intangible assets, principally trademarks and trade names, using a relief-from-royalty method. Significant assumptions inherent in the methodologies are employed and include such estimates as royalty and discount rates. For further information on goodwill and other intangible assets see Note F.

In April 2008, the FASB issued Staff Position No. FAS 142-3 (FSP 142-3), Determination of the Useful Life of Intangible Assets, which amends the list of factors an entity should consider in developing renewal or extension assumptions used in determining the useful life of recognized intangible assets under FAS 142. The new guidance applies to (1) intangible assets that are acquired individually or with a group of other assets and (2) intangible assets acquired in both business combinations and asset acquisitions. FSP 142-3 becomes effective for Ashland on October 1, 2009. Ashland is currently in the process of determining the effect, if any, the adoption of FSP 142-3 will have on the consolidated financial statements.

Derivative instruments

Ashland regularly uses foreign currency derivative instruments to manage its exposure to certain transactions denominated in foreign currencies. All derivative instruments are recognized as either assets or liabilities on the balance sheet and are measured at fair value. Changes in the fair value of all derivatives are recognized immediately in income unless the derivative qualifies as a hedge of future cash flows. Gains and losses related to a hedge are either recognized in income immediately to offset the gain or loss on the hedged item, or deferred and recorded in the stockholders' equity section of the Consolidated Balance Sheet as a component of accumulated other comprehensive income and subsequently recognized in the Statements of Consolidated Income when the hedged item affects net income. The ineffective portion of the change in fair value of a hedge is recognized in income immediately. Ashland has typically designated a limited portion of its foreign currency derivatives as qualifying for hedge accounting treatment and their impact on the consolidated financial statements is not significant. Credit risks arise from the possible inability of counterparties to meet the terms of their contracts, but exposure is limited to the replacement value of the contracts. Ashland further minimizes this credit risk through internal monitoring procedures and as of September 30, 2008 does not have significant credit risk on open derivative contracts.

In March 2008, the FASB issued Statement No. 161 (FAS 161), *Disclosures about Derivative Instruments and Hedging Activities* – an amendment of FASB Statement No. 133 *Accounting for Derivative Instruments and Hedging Activities*. FAS 161 requires enhanced disclosures for derivative and hedging activities by providing qualitative information about the objectives and strategies for using derivatives, quantitative data about the fair value of the gains and losses on derivative contracts, and details of credit risk related to contingent features of hedged positions. This Statement also requires Ashland to disclose more information about the location and amounts of derivative instruments in the consolidated financial statements and how derivatives and related hedges are accounted for under FAS 133. FAS 161 becomes effective for Ashland on January 1, 2009. Ashland is currently in the process of determining the effect, if any, the adoption of FAS 161 will have on the consolidated financial statements.

Revenue recognition

Revenues generally are recognized when persuasive evidence of an arrangement exists, products are shipped or services are provided to customers, the sales price is fixed or determinable and collectibility is reasonably assured. Ashland reports all revenues net of tax assessed by qualifying governmental authorities.

Expense recognition

Cost of sales and operating expenses include material and production costs, as well as the costs of inbound and outbound freight, purchasing and receiving, inspection, warehousing, internal transfers, and all other distribution network costs. Selling, general and administrative expenses include sales and marketing costs, advertising, research and development, customer support, environmental remediation, and corporate and divisional administrative costs.

Because Ashland's products generally are sold without extended warranties, liabilities for product warranties are not significant. Costs of product warranties generally are expensed as incurred. Advertising costs (\$66 million in 2008, \$67 million in 2007 and \$68 million in 2006) and research and development costs (\$52 million in 2008, \$50 million in 2007 and \$48 million in 2006) are expensed as incurred.

Income taxes

Ashland is subject to income taxes in the United States and numerous foreign jurisdictions. Significant judgment is required in determining Ashland's provision for income taxes and the related assets and liabilities. Income taxes are accounted for under FASB Statement No. 109 (FAS 109), *Accounting for Income Taxes*. The provision for income taxes includes income taxes paid, currently payable or receivable, and those deferred. Under FAS 109, deferred tax

assets and liabilities are determined based on differences between financial reporting and tax basis of assets and liabilities, and are measured using enacted tax rates and laws that are expected to be in effect when the differences reverse. Deferred tax assets are also recognized for the estimated future effects of tax loss carryforwards. The effect of changes in tax rates on deferred taxes is recognized in the period in which the enactment date changes. Valuation allowances are established when necessary on a jurisdictional basis to reduce deferred tax assets to the amounts expected to be realized.

In June 2006, the FASB issued Interpretation No. 48 (FIN 48), Accounting for Uncertainty in Income Taxes. FIN 48 clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements in accordance with FAS 109. FIN 48 prescribes a recognition threshold and measurement attributes for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. FIN 48 also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure and transition. Ashland adopted the provisions of FIN 48 effective October 1, 2007. The cumulative effect of adoption of FIN 48 resulted in a reduction to the October 1, 2007 opening balance of retained earnings of less than \$1 million. For additional information see Note K.

NOTE A – SIGNIFICANT ACCOUNTING POLICIES (continued)

Asbestos-related litigation

Ashland is subject to liabilities from claims alleging personal injury caused by exposure to asbestos. Such claims result primarily from indemnification obligations undertaken in 1990 in connection with the sale of Riley Stoker Corporation (Riley), a former subsidiary. Although Riley was neither a producer nor a manufacturer of asbestos, its industrial boilers contained some asbestos-containing components provided by other companies.

Ashland retained Hamilton, Rabinovitz & Associates, Inc. (HR&A) to assist in developing and annually updating independent reserve estimates for future asbestos claims and related costs given various assumptions. The methodology used by HR&A to project future asbestos costs is based largely on Ashland's recent experience, including claim-filing and settlement rates, disease mix, enacted legislation, open claims, and litigation defense and claim settlement costs. Ashland's claim experience is compared to the results of previously conducted epidemiological studies estimating the number of people likely to develop asbestos-related diseases. Those studies were undertaken in connection with national analyses of the population expected to have been exposed to asbestos. Using that information, HR&A estimates a range of the number of future claims that may be filed, as well as the related costs that may be incurred in resolving those claims. From the range of estimates, Ashland records the amount it believes to be the best estimate of future payments for litigation defense and claim settlement costs.

Projecting future asbestos costs is subject to numerous variables that are extremely difficult to predict. In addition to the significant uncertainties surrounding the number of claims that might be received, other variables include the type and severity of the disease alleged by each claimant, the long latency period associated with asbestos exposure, dismissal rates, costs of medical treatment, the impact of bankruptcies of other companies that are co-defendants in claims, uncertainties surrounding the litigation process from jurisdiction to jurisdiction and from case to case, and the impact of potential changes in legislative or judicial standards. Furthermore, any predictions with respect to these variables are subject to even greater uncertainty as the projection period lengthens. In light of these inherent uncertainties, Ashland believes its asbestos reserve represents the best estimate within a range of possible outcomes. For further information on asbestos-related litigation see Note O.

Environmental remediation

Accruals for environmental remediation are recognized when it is probable a liability has been incurred and the amount of that liability can be reasonably estimated. Such costs are charged to expense if they relate to the remediation of conditions caused by past operations or are not expected to mitigate or prevent contamination from future operations. Liabilities are recorded at undiscounted amounts based on experience, assessments and current technology, without regard to any third-party recoveries and are regularly adjusted as environmental assessments and remediation efforts continue. For further information on environmental remediation see Note O.

Pension and other postretirement benefit costs

The funded status of Ashland's pension and other postretirement benefit plans is recognized in the Consolidated Balance Sheets. The funded status is measured as the difference between the fair value of plan assets and the benefit obligation at September 30, the measurement date. For defined benefit pension plans, the benefit obligation is the projected benefit obligation (PBO) and for the other postretirement benefit plans the benefit obligation is the accumulated postretirement benefit obligation (APBO). The PBO represents the actuarial present value of benefits expected to be paid upon retirement based on estimated future compensation levels. The APBO represents the actuarial present value of postretirement benefits attributed to employee services already rendered. The fair value of plan assets represents the current market value of assets held by an irrevocable trust fund for the sole benefit of participants. The measurement of the benefit obligation is based on the company's estimates and actuarial

valuations. These valuations reflect the terms of the plans and use participant-specific information such as compensation, age and years of service, as well as certain assumptions that require significant judgment, including estimates of discount rates, expected return on plan assets, rate of compensation increases, interest crediting rates and mortality rates. For further information regarding plan assumptions and the current financial position of the pension and other postretirement plans see Note N.

In September 2006, the FASB issued Statement No. 158 (FAS 158), Employer's Accounting for Defined Benefit Pension and Other Postretirement Plans, an amendment of FASB Statements No. 87, 88, 106, and 132(R). This Statement amended the accounting for pensions and postretirement benefits by requiring an entity to recognize the funded status of a defined benefit postretirement plan as an asset or liability in its statement of financial position, with a corresponding adjustment to accumulated other comprehensive income, net of tax. The adjustment to accumulated other comprehensive income at adoption represents the unrecognized actuarial gains and losses and the prior service costs and credits remaining from the initial adoption of FAS 87, all of which were previously netted against the plan's funded status. These amounts will be subsequently recognized as periodic pension cost pursuant to Ashland's historic accounting policy for amortizing such

amounts. Further, actuarial gains and losses that arise in subsequent periods and are not recognized as net periodic pension cost in the same periods will be recognized as a component of total comprehensive income. Additionally, this Statement required an entity to measure defined benefit plan assets and obligations as of the date of the employer's fiscal year-end statement of financial position, which Ashland has historically practiced. Ashland adopted this Statement on September 30, 2007 and recognized \$43 million, after-tax, of net actuarial losses and prior service cost as a reduction to accumulated other comprehensive income. For further information on the adoption of this statement see Note N.

Foreign currency translation

Operations outside the United States are measured using the local currency as the functional currency. Upon consolidation, the results of operations of the subsidiaries and affiliates whose functional currency is other than the U.S. dollar are translated into U.S. dollars at the average exchange rates for the year and assets and liabilities are translated at year-end exchange rates. Adjustments to translate assets and liabilities into U.S. dollars are recorded in the stockholders' equity section of the Consolidated Balance Sheet as a component of accumulated other comprehensive income and are included in net earnings only upon sale or liquidation of the underlying foreign subsidiary or affiliated company.

Stock incentive plans

As of October 1, 2002, Ashland began expensing employee stock awards in accordance with FASB Statement No. 123 (FAS 123), Accounting for Stock-Based Compensation, and its related amendments. Ashland elected the modified prospective method of adoption of FAS 123, under which compensation costs recorded in the year ended September 30, 2003 were the same as that which would have been recorded had the recognition provisions of FAS 123 been applied from its original effective date. Results for prior periods were not restated. In December 2004, the FASB issued Statement No. 123R (FAS 123R), Share-Based Payment, which revised FAS 123 by requiring the expensing of share-based compensation over the vesting period of the award based on the grant date fair value of the award. FAS 123 had provided companies the option of expensing such awards or disclosing the pro forma effects of such expensing in the notes to financial statements. The adoption of FAS 123R during 2006 did not have a material effect on Ashland's financial position, results of operations or cash flows. Ashland began granting stock-settled stock appreciation rights (SARs) in 2004, which are expensed like stock options in accordance with FAS 123R. In addition to stock options and SARs, Ashland grants nonvested stock awards to key employees and directors, which are expensed over their vesting period. For further information concerning equity awards see Note M.

Earnings per share

The following is the computation of basic and diluted earnings per share (EPS) from continuing operations. Stock options and SARs available to purchase shares outstanding for each reported year whose grant price was greater than the average market price of Ashland Common Stock for each applicable fiscal year were not included in the computation of income from continuing operations per diluted share because the effect of these instruments would be antidilutive. The total number of these shares outstanding was 2.2 million, 0.5 million and less than 0.1 million for 2008, 2007 and 2006, respectively.

(In millions except per share data)	2008	2007	2006
Numerator			
Numerator for basic and diluted EPS -			
Income from continuing operations	\$175	\$201	\$183
Denominator			
Denominator for basic EPS - Weighted-average			

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common shares outstanding	63	63	71
Share based awards convertible to common shares	1	1	1
Denominator for diluted EPS - Adjusted weighted- average shares and assumed conversions	64	64	72
EPS from continuing operations			
Basic	\$2.78	\$3.20	\$2.57
Diluted	2.76	3.15	2.53

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NOTE B – DISCONTINUED OPERATIONS

APAC

On August 28, 2006, Ashland completed the sale of the stock of its wholly owned subsidiary, APAC, to Oldcastle. The sale price of \$1.3 billion was subject to adjustments for changes in working capital and certain other accounts from September 30, 2005, until the closing date. Oldcastle paid \$34 million at closing as a preliminary estimate of the working capital adjustment. Per the agreement, Oldcastle had a certain period of time to review this working capital calculation after the closing date of the transaction. This review was completed during fiscal 2007 and the working capital adjustment was subsequently calculated at \$7 million. Ashland repaid Oldcastle's \$27 million estimated working capital overpayment during 2007, which completed the sale. Ashland's Board of Directors authorized that substantially all of the \$1.23 billion after-tax proceeds of the sale of APAC be distributed as a one-time special dividend to the shareholders of Ashland and through an expanded share repurchase program. For further information on the special dividend and previous share repurchase programs see Note L.

Proceeds, net of expense of approximately \$11 million, exceeded the book investment, which included \$410 million of intangible assets, and resulted in a pretax gain of \$128 million recorded in 2006. This gain was subsequently adjusted to \$122 million during subsequent periods. The sale of APAC was a taxable transaction that resulted in \$67 million being recorded for the combined federal and state income tax obligation. Net deferred tax liabilities totaling \$27 million were reversed through the income tax provision and included in the gain computation of the transaction. The reversal of deferred taxes reflects the fact that Oldcastle assumed Ashland's tax basis in these net assets as a result of this divestiture. In addition, the sale of APAC resulted in a pretax curtailment gain of \$34 million, or \$21 million after-tax, related to the pension and postretirement plans and is included as a component of the total gain recorded as a result of the sale. For further information on the curtailment gain and its impact on the pension and postretirement plan obligations see Note N. The total gain on the sale of APAC, including the working capital and other post-closing adjustments, amounted to \$156 million pretax and \$96 million after-tax. As part of the agreement with Oldcastle, Ashland also retained \$78 million in net liabilities as of the date of the transaction related to APAC's employee benefit obligations and incentive compensation.

APAC qualifies as discontinued operations under FASB Statement No. 144 (FAS 144), Accounting for the Impairment or Disposal of Long-Lived Assets. Accordingly, the operating results, net of tax, of discontinued operations are presented separately in Ashland's consolidated financial statements and the Notes to Consolidated Financial Statements have been adjusted to exclude discontinued operations. The amounts eliminated from continuing operations did not include allocations of corporate expenses included in the selling, general and administrative expenses caption in the Statements of Consolidated Income and the related combined 39% U.S. federal (35%) and state (4%, net of federal deductions) statutory income tax benefits of such expenses. These corporate expenses were \$41 million in 2006. In accordance with a consensus of the Emerging Issues Task Force (EITF) Issue No. 87-24, allocations of general corporate overhead may not be allocated to discontinued operations for financial statement presentation.

Ashland has made adjustments to the gain on the sale of APAC, primarily relating to the tax effects of the sale, during 2008 and 2007. Such adjustments may continue to occur in future periods. Adjustments to the gain are reflected in the period they are determined and recorded in the discontinued operations caption in the Statements of Consolidated Income.

Other

In 1990, Ashland sold Riley, a former subsidiary, and indemnified the buyer from certain liabilities from claims alleging personal injury caused by exposure to asbestos. Additional adjustments to the recorded litigation reserves and related insurance receivables continue annually and primarily reflect updates to these estimates. See Note O for

further information on Ashland's asbestos-related litigation.

Components of amounts reflected in the Statements of Consolidated Income related to discontinued operations are presented in the following table for each of the years ended September 30.

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(In millions)	2008	2007	2006
Revenues from discontinued operations			
APAC (a)	\$-	\$-	\$2,730
Income (loss) from discontinued operations			
APAC (a)	-	-	176
Asbestos-related litigation reserves, expenses and related receivables	(11)	35	(2)
Gain (loss) on disposal of discontinued operations			
APAC	-	(6)	162
Electronic Chemicals	-	(1)	-
Income before income taxes	(11)	28	336
Income tax (expense) benefit			
Benefit (expense) related to income (loss) from discontinued operations			
APAC	1	2	(61)
Asbestos-related litigation reserves and expenses	9	-	1
Expense related to gain (loss) on disposal of discontinued operations			
APAC	(7)	(1)	(52)
Income from discontinued operations (net of income taxes)	\$(8)	\$29	\$224

(a) APAC revenues and income for 2006 were for the eleven months ended August 28, 2006.

NOTE C – MAP TRANSACTION

On June 30, 2005, Ashland completed the transfer of Ashland's 38% interest in Marathon Ashland Petroleum LLC (MAP) and two other businesses to Marathon Oil Corporation (Marathon) in a transaction valued at approximately \$3.7 billion (the MAP Transaction). The two other businesses were Ashland's maleic anhydride business and 60 Valvoline Instant Oil Change (VIOC) centers in Michigan and northwest Ohio. The transaction resulted in Ashland's receipt of \$2.4 billion in cash and MAP accounts receivable of \$913 million, which totaled \$3.3 billion. This amount was comprised of \$2.8 billion of cash and accounts receivable, which amount was included in the \$3.7 billion transaction value, and \$518 million of additional cash and accounts receivable representing 38% of MAP's distributable cash and other adjustments as of June 30, 2005. The resulting pretax gain was shown on a separate line caption on the Statements of Consolidated Income below operating income and labeled gain (loss) on the MAP Transaction. Since none of the businesses qualified as discontinued operations under FAS 144, the gain was reported in income from continuing operations, with no restatement of prior results.

The MAP Transaction was structured to be generally tax-free to Ashland shareholders and tax-efficient to Ashland. Ashland and Marathon entered into a closing agreement with the Internal Revenue Service (IRS) with respect to various tax consequences of the transaction. Pursuant to a Tax Matters Agreement (TMA) with Marathon, any tax payable under Section 355(e) of the Internal Revenue Code on the transaction up to \$200 million will be borne by Marathon, with the next \$175 million being borne by Ashland, and any tax over \$375 million being split equally between the two companies. As of September 30, 2008 the MAP Transaction has resulted in approximately \$22 million of Section 355(e) tax which has been borne by Marathon.

Due to the structure of the transaction, Marathon is entitled to the tax deductions for Ashland's future payments of certain contingent liabilities related to previously owned businesses of Ashland. However, pursuant to the terms of the TMA, Marathon has agreed to compensate Ashland for these tax deductions. Ashland recorded a discounted receivable for the estimated present value of probable recoveries from Marathon for the portion of these future tax

deductions which is not dependent upon Marathon's ability to utilize these deductions. This receivable was included in the total pretax gain on the transaction. Deferred tax assets previously recorded on these contingent liabilities were reversed through the income tax provision for the transaction. Adjustments to the receivable resulting from changes in the liability estimates have been and will continue to be recorded in the gain (loss) on the MAP Transaction line caption in the Statements of Consolidated Income, while the accretion of the discount will be reflected in the net interest and other financing income caption. At September 30, 2008 and 2007, this receivable was \$38 million and \$51 million, respectively, and is included in other current and noncurrent assets on Ashland's Consolidated Balance Sheets. Due to the continuing nature of certain tax issues, the original recorded gain has been adjusted in 2008, 2007 and 2006, and may continue to be adjusted in future periods.

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NOTE C – MAP TRANSACTION (continued)

During 2008, Ashland and Marathon agreed to a tax related settlement with respect to four specific tax attributes and deductions subject to the terms of this TMA. These tax attributes and deductions were originally scheduled to be reimbursed periodically at much later points in the future, some with the potential of greater than 20 or more years. The effect of this settlement accelerated Marathon's reimbursement to Ashland for certain of these deductions, resulting in the receipt of \$26 million in cash from Marathon representing the present value of the future deductions. As a result of this specific agreement, Ashland recorded a gain within the MAP Transaction caption of the Consolidated Statement of Income of \$23 million during 2008.

NOTE D – UNCONSOLIDATED AFFILIATES

Summarized financial information for companies accounted for on the equity method is presented in the following table, along with a summary of the amounts recorded in Ashland's consolidated financial statements. The summarized financial information for all companies accounted for on the equity method by Ashland is as of and for the years ended September 30, 2008, 2007 and 2006, respectively. At September 30, 2008 and 2007, Ashland's retained earnings included \$48 million and \$44 million, respectively, of undistributed earnings from unconsolidated affiliates accounted for on the equity method.

(In millions)	2008	2007	2006
Financial position			
Current assets	\$254	\$217	
Current liabilities	(120)	(104)	
Working capital	134	113	
Noncurrent assets	71	72	
Noncurrent liabilities	(9)	(14)	
Stockholders' equity	\$196	\$171	
Results of operations			
Sales and operating revenues	\$655	\$514	\$426
Income from operations	75	51	40
Net income	52	42	27
Amounts recorded by Ashland			
Investments and advances	\$81	\$73	\$61
Equity income	23	15	11
Distributions received	13	10	5

In June 2008, Ashland and Süd-Chemie AG signed a nonbinding memorandum of understanding to form a new, global joint venture to serve the foundries and metal casting industry. Under the terms of the memorandum, each parent company would hold a 50-percent share of the joint venture, which is planned to be headquartered in Venlo, The Netherlands. Assets and employees would transfer to the new joint venture upon closing, anticipated during fiscal 2009. The transaction is dependent upon the successful negotiation of definitive agreements, and closing will depend upon satisfactory completion of a number of standard closing conditions, including regulatory review. The new enterprise would combine three businesses: Ashland's Casting Solutions, a business unit of Performance Materials, the foundry-related businesses of Süd-Chemie, and Ashland-Südchemie-Kernfest GmbH (ASK), which currently operates as a joint venture. Ashland and ASK businesses to be contributed to the new joint venture recorded revenues of approximately \$650 million for fiscal year 2008. The foundry-related businesses of Süd-Chemie AG expected to be contributed to the joint venture generated revenues of approximately \$400 million for the year ended December 31, 2007.

In December 2007, the FASB's Emerging Issues Task Force (EITF) issued new guidance for entities that enter into collaborative arrangements in Issue 07-1 (EITF 07-1), *Accounting for Collaborative Arrangement*. EITF 07-1 defines a collaborative arrangement and establishes presentation and disclosure requirements for transactions among participants in a collaborative arrangement and between participants in the arrangement and third parties. EITF 07-1 defines a collaborative arrangement as a contractual arrangement that involves two or more parties that both: (1) actively participate in a joint operating activity and (2) are exposed to significant risks and rewards that depend on the commercial success of the joint operating activity. EITF 07-1 becomes effective for Ashland on October 1, 2009. Ashland is currently in the process of determining the effect, if any, the adoption of EITF 07-1 will have on the notes to the consolidated financial statements.

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NOTE E – SECURITIES AND FINANCIAL INSTRUMENTS

Fair values

The carrying amounts and fair values of Ashland's significant financial instruments at September 30, 2008 and 2007 are shown below. The fair values of cash and cash equivalents, available-for-sale securities and investments of captive insurance companies approximate their carrying amounts based on quoted market prices. The fair values for auction rate securities were determined using an internal valuation model based on various discounted cash flow models and relevant observable market prices. Assumptions used in estimating fair value included credit quality, liquidity, estimates on the probability of the issue being called prior to final maturity, and the impact due to extended periods of maximum auction rates. The fair values of long-term debt are based on quoted market prices or, if market prices are not available, the present values of the underlying cash flows discounted at Ashland's incremental borrowing rates.

(In millions)	2008		2007	
	Carrying amount	Fair value	Carrying amount	Fair value
Assets				
Cash and cash equivalents	\$886	\$886	\$897	\$897
Available-for-sale securities	-	-	155	155
Auction rate securities (a)	243	243	-	-
Investments of captive insurance companies (b)	26	26	20	20
Liabilities				
Long-term debt (including current portion)	66	68	69	76

(a) Classified as noncurrent in the Consolidated Balance Sheets. Previously these securities were classified as current and included in the available-for-sale securities caption in the Consolidated Balance Sheets.

(b) Included in other noncurrent assets in the Consolidated Balance Sheets.

In September 2006, the FASB issued Statement No. 157 (FAS 157), Fair Value Measurements, which defines fair value, establishes a framework for measuring fair value in generally accepted accounting principles and expands disclosures about fair value measurements. This Statement applies under other accounting pronouncements that require or permit fair value measurements because the FASB has previously concluded in those accounting pronouncements that fair value is the relevant measurement attribute. FAS 157 becomes effective for Ashland on October 1, 2008. Ashland has evaluated the impact of adopting FAS 157 and anticipates the adoption will not have a significant impact on Ashland's fair value measurements.

Investment securities

At September 30, 2008, Ashland held at par value \$275 million of student loan auction rate securities for which there was not an active market. In February 2008, the auction rate securities market became largely illiquid, as there was not enough demand to purchase all of the securities that holders desired to sell at par value during certain auctions. Since this time the market for auction rate securities has failed to achieve equilibrium. As a result, Ashland determined that a temporary adjustment to the par value of these high quality instruments was required until the liquidity of the market returns. As of September 30, 2008, Ashland had recorded, as a component of stockholders

equity, a temporary \$32 million unrealized loss on the portfolio. As of this date, all the student loan instruments held by Ashland were AAA rated and collateralized by student loans which are substantially guaranteed by the U.S. government under the Federal Family Education Loan Program. Ashland considers the decline in the fair value of its investment securities to be temporary, resulting from the current lack of liquidity relating to these instruments. Ashland's current estimate of fair value for auction rate securities is based on various internal discounted cash flow models and relevant observable market prices. The assumptions within the models include credit quality, liquidity, estimates on the probability of each valuation model and the impact due to extended periods of maximum auction rates.

At September 30, 2008, auction rate securities totaled \$243 million and were classified as noncurrent assets in the Consolidated Balance Sheet. Due to the current uncertainty as to when active trading will resume in the auction rate securities market, Ashland believes the recovery period for certain of these securities may extend over a twelve-month period. As a result, Ashland has classified these instruments as long-term auction rate securities at September 30, 2008 in Ashland's Consolidated Balance Sheet.

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NOTE E – SECURITIES AND FINANCIAL INSTRUMENTS (continued)

The following table provides a summary of the investment securities portfolio as of September 30, 2008 and 2007.

(In millions)	Amortized cost	Unrealized gain	Unrealized loss	Fair value
As of September 30, 2008				
Student loan auction rate securities	\$275	\$-	\$(32)	\$243

(In millions)	Amortized cost	Unrealized gain	Unrealized loss	Fair value
As of September 30, 2007				
U.S. Treasury and government agencies	\$45	\$-	\$-	\$45
Obligations of states and political subdivisions	70	-	-	70
Corporate debt securities	10	-	-	10
Other securities	30	-	-	30
Total	\$155	\$-	\$-	\$155

The net unrealized loss on investment securities included in accumulated other comprehensive income as of September 30, 2008 was \$20 million (net of tax) and was not significant at September 30, 2007. Ashland sold \$315 million and \$680 million of available-for-sale securities during 2008 and 2007, respectively. Realized gross gains and losses were not significant in 2008. In 2007 realized gross gains on sales were \$2 million. The net carrying value and estimated fair value of investment securities at September 30, 2008 by contractual maturity are shown below. Actual maturities may differ from contractual maturities when there exists a right to call or prepay obligations with or without call or prepayment penalties.

(In millions)	Investment securities	
	Amortized cost	Fair value
Other securities:		
5-10 years	\$15	\$14
Over 10 years	260	229
Total	\$275	\$243

Derivative instruments

Ashland uses foreign currency derivative instruments as described in Note A. The fair value of open contracts for these instruments was not significant at September 30, 2008 and 2007.

NOTE F – GOODWILL AND OTHER INTANGIBLES

In accordance with FAS 142, Ashland reviews goodwill and other intangible assets for impairments either annually or when events and circumstances indicate an impairment may have occurred. As of September 30, 2008 Ashland has determined no impairments exist.

The following is a progression of goodwill by segment for the years ended September 30, 2008 and 2007.

(In millions)	Performance			Water	Total
	Materials	Distribution	Valvoline	Technologies	
Balance at September 30, 2006	\$ 110	\$ 1	\$ 29	\$ 70	\$ 210
Acquisitions	51	-	1	(3)	49
Currency translation adjustment	5	-	-	4	9
Balance at September 30, 2007	166	1	30	71	268
Acquisitions	28	-	-	1	29
Currency translation adjustment	2	-	-	-	2
Balance at September 30, 2008	\$ 196	\$ 1	\$ 30	\$ 72	\$ 299

Intangible assets consist of trademarks and trade names, patents and licenses, non-compete agreements, sale contracts, customer lists and intellectual property. Intangibles are amortized on a straight-line basis over their estimated useful lives. The cost of trademarks and trade names is amortized principally over 15 to 25 years, intellectual property over 5 to 17 years

and other intangibles over 2 to 30 years. Ashland reviews intangible assets for possible impairment whenever events or changes in circumstances indicate that carrying amounts may not be recoverable.

Intangible assets were comprised of the following as of September 30, 2008 and 2007.

(In millions)	2008		2007		2007	
	Gross carrying amount	Accumulated amortization	Net carrying amount	Gross carrying amount	Accumulated amortization	Net carrying amount
Trademarks and trade names	\$67	\$ (22)	\$45	\$63	\$ (21)	\$42
Intellectual property	54	(21)	33	49	(18)	31
Other intangibles	51	(20)	31	49	(13)	36
Total intangible assets	\$172	\$ (63)	\$109	\$161	\$ (52)	\$109

Amortization expense recognized on intangible assets was \$11 million for 2008, \$11 million for 2007 and \$6 million for 2006, and is primarily included in the selling, general and administrative expense caption of the Statements of Consolidated Income. As of September 30, 2008, all of Ashland's intangible assets that had a carrying value were being amortized except for certain trademarks and trade names that currently have been determined to have indefinite lives. These assets had a balance of \$35 million as of September 30, 2008 and 2007. In accordance with FAS 142, Ashland annually reviews these assets to determine whether events and circumstances continue to support the indefinite useful life designation. Estimated amortization expense for future periods is \$12 million in 2009, \$8 million in 2010, \$7 million in 2011, \$6 million in 2012 and \$6 million in 2013.

NOTE G – DEBT

(In millions)	2008	2007
Medium-term notes, due 2013-2019, interest at a weighted-average rate of 8.4% at September 30, 2008 (7.7% to 9.4%)	\$21	\$21
8.80% debentures, due 2012	20	20
6.86% medium-term notes, Series H, due 2009	17	17
6.625% senior notes, due 2008	-	3
Other	8	8
Total debt	66	69
Current portion of debt	(21)	(5)
Long-term debt (less current portion)	\$45	\$64

Aggregate maturities of long-term debt are \$21 million in 2009, \$3 million in 2010, less than \$1 million in 2011 and 2012 and \$28 million in 2013. No short-term borrowings were outstanding at September 30, 2008 and 2007.

During 2007, Ashland replaced its revolving credit agreement with a new five year revolving credit facility which provides for up to \$300 million in borrowings. Up to an additional \$100 million in borrowings is available with the consent of one or more of the lenders. The borrowing capacity under this new facility was reduced by \$102 million for letters of credit outstanding under the credit agreement at September 30, 2008. The revolving credit agreement contains a covenant limiting the total debt Ashland may incur from all sources as a function of Ashland's stockholders

equity. The covenant's terms would have permitted Ashland to borrow \$4.7 billion at September 30, 2008, in addition to the actual total debt incurred at that time. Permissible total Ashland debt under the covenant's terms increases (or decreases) by 150% for any increase (or decrease) in stockholders' equity. No amounts were outstanding under either revolving credit agreement as of September 30, 2008 and 2007. In November 2008, Ashland completed the acquisition of Hercules Incorporated (Hercules). As part of the financing arrangement for this transaction, this revolving credit agreement was terminated and replaced with a new credit facility. For further information on this new financing arrangement see Note Q.

During 2006, Ashland entered into an in-substance defeasance of approximately \$49 million to repay current and long-term debt that had a carrying value of \$44 million on the balance sheet. Because the transaction was not a legal defeasance the investment has been placed into a trust and will be exclusively restricted to future obligations and repayments related to these debt instruments. The investments have been classified on the balance sheet as other current assets or other noncurrent assets based on the contractual debt repayment schedule. At September 30, 2008 and 2007, the carrying value of the investments to defease debt, including other defeasements that occurred in fiscal 2006, was \$36 million and \$40 million, respectively. The carrying value of the debt was \$31 million and \$34 million as of September 30, 2008 and 2007, respectively.

NOTE G – DEBT (continued)

Net interest and other financing income (costs)

(In millions)	2008	2007	2006
Interest income	\$40	\$59	\$59
Interest expense	(9)	(10)	(8)
Other financing costs	(3)	(3)	(4)
	\$28	\$46	\$47

NOTE H – OTHER NONCURRENT ASSETS AND LIABILITIES

The following table provides the components of other noncurrent assets in the Consolidated Balance Sheets as of September 30.

(In millions)	2008	2007
Deferred compensation investments	\$127	\$152
Equity investments	81	73
Tax receivables	49	49
Environmental insurance receivables	40	44
Investments of captive insurance companies	26	20
Note receivables	20	30
Debt defeasance assets	18	37
Other	33	30
	\$394	\$435

The following table provides the components of other noncurrent liabilities in the Consolidated Balance Sheets as of September 30.

(In millions)	2008	2007
Environmental remediation reserves	\$112	\$153
Deferred compensation	101	144
Reserves of captive insurance companies (excluding environmental remediation reserves)	82	74
Other	133	130
	\$428	\$501

NOTE I – LEASES

Ashland and its subsidiaries are lessees of office buildings, retail outlets, transportation equipment, warehouses and storage facilities, and other equipment, facilities and properties under leasing agreements that expire at various dates. Capitalized lease obligations are not significant and are included in long-term debt and capital lease assets are included in property, plant and equipment. Future minimum rental payments at September 30, 2008 and rental expense under operating leases follow.

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(In millions)

Future minimum rental payments		Rental expense	2008	2007	2006
2009	\$ 42	Minimum rentals			
		(including rentals			
2010	37	under			
2011	30	short-term leases)	\$ 59	\$ 60	\$ 53
2012	26	Contingent rentals	3	3	3
		Sublease rental			
2013	23	income	(1)	(2)	(2)
Later years	57		\$ 61	\$ 61	\$ 54
	\$ 215				

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NOTE J – ACQUISITIONS AND DIVESTITURES

Acquisitions

On November 13, 2008, Ashland completed the acquisition of Hercules, through a subsidiary merger transaction. As a result of this transaction, Hercules has become a wholly owned subsidiary of Ashland. Each share of Hercules Common Stock outstanding at the effective time of the merger was exchanged for (i) 0.0930 of a share of Ashland Common Stock and (ii) \$18.60 in cash. The cash portion of the consideration was funded through a combination of cash on hand and committed debt financing from Bank of America Securities LLC and Scotia Capital (USA) Inc., subject to customary terms and conditions. For further information on this acquisition and the related approval by Hercules shareholders see Note Q.

Hercules is a manufacturer of specialty additives and ingredients that modify the physical properties of water-based systems and is a worldwide supplier of specialty chemicals to the pulp and paper industry with reported net sales of \$2.3 billion for the twelve months ended September 30, 2008. The primary markets the company serves include pulp and paper, paints and adhesives, construction materials, food, pharmaceutical, personal care and industrial specialties which include oilfield, textiles and other general industries.

In June 2008, Ashland acquired the assets of the pressure-sensitive adhesive business and atmospheric emulsions business of Air Products and Chemicals, Inc. The \$92 million transaction included manufacturing facilities in Elkton, Maryland and Piedmont, South Carolina. The purchased operations, which merged into Performance Materials, had sales of \$126 million in calendar year 2007, principally in North America.

In December 2006, Ashland acquired Northwest Coatings of Oak Creek, Wisconsin, a formulator and manufacturer of adhesives and coatings employing ultraviolet and electron beam (UV/EB) polymerization technologies from Caltius Equity Partners. The transaction, which includes production facilities in Milwaukee, Wisconsin and Greensboro, North Carolina that was merged into Performance Materials, was valued at \$74 million. At the time this purchase transaction was announced, Northwest Coatings had trailing twelve month sales of approximately \$40 million.

In May 2006, Ashland acquired the water treatment business of Degussa AG (Degussa), branded under the Stockhausen name, with five manufacturing facilities operating in Germany, China, Brazil, Russia and the United States. The acquisition allows Ashland's Water Technologies segment to expand its technology base, product line and service levels while continuing to develop its presence in key emerging international markets. For its fiscal year ended December 31, 2005, Degussa reported sales and operating revenues (translated to U.S. dollars) of \$258 million and operating income of \$10 million. The transaction, denominated in Euros, was valued at \$161 million at the exchange rate on the acquisition date. A summary of the purchase price allocation follows.

(In millions)	Assets (liabilities)
Accounts receivable	\$57
Inventories	33
Property, plant and equipment	56
Goodwill and other intangibles	59
Trade and other payables	(20)
Other noncurrent assets (liabilities) - net	(24)
	\$161

Several other acquisitions were completed by Performance Materials, Distribution, Valvoline and Water Technologies during the three years ended September 30, 2008. These acquisitions, individually and in the aggregate, did not have

a significant effect on Ashland's consolidated financial statements. All acquisitions are accounted for under the purchase method of accounting.

Divestitures

In August 2006, Ashland completed the sale of the stock of its wholly owned subsidiary, APAC, to Oldcastle. The operating results and assets and liabilities related to APAC have been reflected as discontinued operations in the consolidated financial statements for all periods presented. For further information on this transaction see Note B.

As a result of the APAC divestiture certain identified remaining corporate costs that had been previously allocated to this business needed to be eliminated to maintain Ashland's overall competitiveness. Consequently, in 2007 Ashland offered an enhanced early retirement or voluntary severance opportunity to administrative and corporate employees. In total,

NOTE J – ACQUISITIONS AND DIVESTITURES (continued)

Ashland accepted voluntary severance offers from 172 employees under the program. As a result, a \$25 million pretax charge was recorded for severance, pension and other postretirement benefit costs during 2007. This cost is classified in the selling, general and administrative expense caption of the Statements of Consolidated Income and grouped within Unallocated and other for segment presentation purposes. The termination dates for employees participating in the program were completed and all amounts paid during 2008.

NOTE K – INCOME TAXES

A summary of the provision for income taxes related to continuing operations follows.

(In millions)	2008	2007	2006
Current			
Federal	\$13	\$5	\$(5)
State	3	(7)	-
Foreign	26	38	35
	42	36	30
Deferred	44	22	(1)
Income tax expense	\$86	\$58	\$29

Deferred income taxes are provided for income and expense items recognized in different years for tax and financial reporting purposes. Ashland has not recorded deferred income taxes on the undistributed earnings of certain foreign subsidiaries and foreign corporate joint ventures. As of September 30, 2008, management intends to indefinitely reinvest such earnings, which amounted to \$353 million. Because of significant foreign tax credits, it is estimated that U.S. federal income taxes of approximately \$33 million would be incurred if those earnings were repatriated. Foreign net operating loss carryforwards primarily relate to certain European operations and generally may be carried forward indefinitely. Temporary differences that give rise to significant deferred tax assets and liabilities follow.

(In millions)	2008	2007
Deferred tax assets		
Employee benefit obligations	\$124	\$92
Environmental, self-insurance and litigation reserves (net of receivables)	78	83
Compensation accruals	75	90
Foreign net operating loss carryforwards (a)	29	25
Uncollectible accounts receivable	9	11
Other items	47	28
Valuation allowances (b)	(26)	(23)
Total deferred tax assets	336	306
Deferred tax liabilities		
Property, plant and equipment	75	75
Investment in unconsolidated affiliates	10	5
Total deferred tax liabilities	85	80
Net deferred tax asset	\$251	\$226

- (a) Foreign net operating loss carryforwards will expire in future years as follows: \$1 million in 2009, \$1 million in 2010 and the remaining balance in other future years.
- (b) Valuation allowances primarily relate to the realization of recorded tax benefits on foreign net operating loss carryforwards.

Ashland's income tax expense for 2008, 2007 and 2006 included \$9 million of tax benefit, \$9 million of tax expense and \$16 million of tax benefit, respectively, due to the resolution of domestic and foreign tax matters and the reevaluation of income tax reserves related to tax positions taken in prior years. During 2007, Ashland recorded a \$15 million tax benefit related to dividends held within the employee stock ownership plan, primarily due to the special dividend of \$10.20 paid on October 25, 2006 as part of the distribution to shareholders of a substantial portion of the APAC divestiture proceeds. For further information on this special dividend see Note L.

The U.S. and foreign components of income from continuing operations before income taxes and a reconciliation of the statutory federal income tax with the provision for income taxes follow. The foreign components of income from continuing operations disclosed below exclude any allocations of certain corporate expenses incurred in the U.S.

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(In millions)	2008	2007	2006
Income from continuing operations before income taxes			
United States	\$174	\$163	\$138
Foreign	87	96	74
	\$261	\$259	\$212
Income taxes computed at U.S. statutory rate (35%)	\$91	\$91	\$74
Increase (decrease) in amount computed resulting from			
Resolution and reevaluation of tax positions taken in prior years	(9)	9	(16)
Life insurance (income) loss	9	(7)	(4)
(Gain) loss on MAP Transaction	(7)	1	2
Net impact of foreign results	5	(2)	(5)
State income taxes	3	(4)	-
Business meals and entertainment	1	1	1
Claim for research and development credits	(1)	(3)	(1)
Deductible dividends under employee stock ownership plan	(1)	(15)	(2)
Other items	(5)	(13)	(20)
Income tax expense	\$86	\$58	\$29

Ashland adopted the provisions of FIN 48 as of October 1, 2007. The cumulative effect of adoption of FIN 48 resulted in a reduction to the October 1, 2007 opening retained earnings balance of less than \$1 million. FIN 48 prescribes a recognition threshold and measurement attribute for the accounting and financial statement disclosure of tax positions taken or expected to be taken in a tax return. The evaluation of a tax position is a two-step process. The first step requires Ashland to determine whether it is more likely than not that a tax position will be sustained upon examination based on the technical merits of the position. The second step requires Ashland to recognize in the financial statements each tax position that meets the more likely than not criteria, measured at the largest amount of benefit that has a greater than 50-percent likelihood of being realized. Ashland had \$79 million and \$69 million of unrecognized tax benefits, of which \$47 million and \$38 million relates to discontinued operations, at September 30, 2008 and October 1, 2007, respectively. As of September 30, 2008, the total amount of unrecognized tax benefits that, if recognized, would affect the effective tax rate for continuing and discontinued operations was \$23 million. The remaining unrecognized tax benefits relate to tax positions for which ultimate deductibility is highly certain but for which there is uncertainty as to the timing of such deductibility. Recognition of these tax benefits would not have an impact on the effective tax rate. Ashland includes the full amount of unrecognized tax benefits in other noncurrent liabilities in the Consolidated Balance Sheets.

Ashland recognizes interest and penalties related to uncertain tax positions as a component of income tax expense in the Statements of Consolidated Income and such interest and penalties totaled a net \$3 million in 2008. Ashland had approximately \$15 million in interest and penalties related to unrecognized tax benefits accrued as of October 1, 2007 and \$15 million as of September 30, 2008.

During the twelve month period ended September 30, 2008, changes in unrecognized tax benefits were as follows.

(In millions)	2008
Balance at October 1, 2007	\$69
Increases related to positions taken on items from prior years	7
Decreases related to positions taken on items from prior years	(8)
Increases related to positions taken in 2008	13
Settlement of uncertain tax positions with tax authorities	(2)

Balance at September 30, 2008

\$79

It is reasonably possible that the amount of unrecognized tax benefits may increase or decrease within the next twelve months as the result of settlement of ongoing audits. However, Ashland does not presently anticipate that any increase or decrease in unrecognized tax benefits will be material to the consolidated financial statements.

Ashland or one of its subsidiaries files income tax returns in the U.S. federal jurisdiction and various state and foreign jurisdictions. Foreign taxing jurisdictions significant to Ashland include Australia, Canada and the Netherlands. Ashland is subject to U.S. federal and state income tax examinations by tax authorities for periods after July 1, 2005. With respect to countries outside of the United States, with certain exceptions, Ashland's foreign subsidiaries are subject to income tax audits for years after 1999.

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NOTE K – INCOME TAXES (continued)

In June 2008, Ashland received two Revenue Agents Reports (RAR) from the Internal Revenue Service (IRS) that included the results of the IRS audits for the tax periods ended September 30, 2004, June 30, 2005 (the date of the completed MAP Transaction) and September 30, 2005. The first RAR for the tax years ended September 30, 2004 and June 30, 2005 reflected a refund of approximately \$4 million for the September 2004 tax year and additional federal taxes owed of approximately \$14 million (of which approximately \$11 million related to the MAP Transaction) for the June 2005 tax year. Under the terms of the previously referred to TMA, Marathon was responsible for this payment and paid Ashland \$11 million. Ashland paid the IRS approximately \$12 million in additional federal taxes and interest for the September 2004 and June 2005 tax years in July of 2008. The second RAR for the tax year ended September 30, 2005 reflected a refund to Ashland of approximately \$4 million.

As a result of the structure of the MAP Transaction, Marathon became primarily responsible for certain of Ashland's federal and state tax obligations for positions taken prior to June 30, 2005. However, pursuant to the terms of the TMA, Ashland has agreed to indemnify Marathon for any obligations which arise from those positions. Upon adoption of FIN 48, these positions, which were previously accounted for as income tax contingencies by Ashland, are no longer treated in that manner under the provisions of FIN 48. Subsequent adjustments to these liabilities will be recorded as a component of selling, general and administrative expenses within the Statements of Consolidated Income. In accordance with the prospective adoption requirements under the provisions of FIN 48, Ashland did not reclassify prior period expenses or income relating to these items that would have been classified within the selling, general and administrative caption if FIN 48 was applied retrospectively. For the twelve months ended September 30, 2008, Ashland recorded \$2 million of income relating to these items that was recognized as a component of income tax expense in previous periods.

NOTE L – CAPITAL STOCK

On September 14, 2006 Ashland's Board of Directors authorized the distribution of a substantial portion of the proceeds of the sale of APAC to the Ashland Common Stock shareholders as a one-time special dividend. Each shareholder of record as of October 10, 2006, received \$10.20 per share, for a total of \$674 million. This amount was accrued as dividends payable in the Consolidated Balance Sheet at September 30, 2006 and was subsequently paid during 2007. Substantially all of the remaining proceeds were directed to be used to repurchase Ashland Common Stock in accordance with the terms authorized by Ashland's Board of Directors and as further described below.

Stock repurchases were made pursuant to two different programs authorized by Ashland's Board of Directors. The first program, originally approved on July 21, 2005, authorized the purchase of \$270 million of Ashland Common Stock in the open market. After 3.5 million shares at a cost of \$196 million had been purchased under the initial authorization, on January 25, 2006, Ashland's Board of Directors increased the remaining authorization by \$176 million to \$250 million. As of September 14, 2006, Ashland had completed all repurchases to be made under this program.

The second program was authorized by Ashland's Board of Directors on September 14, 2006, employing proceeds from the sale of APAC to repurchase up to an additional 7 million shares. To facilitate this repurchase program, Ashland entered into a stock trading plan with Credit Suisse Securities (USA) LLC (Credit Suisse). The stock trading plan, amended and restated on September 20, 2006, allowed Credit Suisse to make daily repurchases of stock starting on October 2, 2006, in accordance with the instructions set forth in the plan and within the safe harbor from insider trading liability provided under Exchange Act Rule 10b5-1.

Ashland did not repurchase any shares during 2008, but did repurchase 4.7 million shares for \$288 million during 2007 and 6.7 million shares for \$405 million during 2006. Since the inception of the first described share repurchase

program on July 21, 2005 through the completion of the second share repurchase program on December 19, 2006, Ashland has repurchased a total of 13.2 million shares at a cost of \$793 million. These repurchases represent approximately 18% of the shares outstanding on June 30, 2005. The stock repurchase actions were consistent with certain representations of intent made to the Internal Revenue Service with respect to the transfer of MAP. At September 30, 2008, 8.4 million common shares are reserved for issuance under stock incentive and deferred compensation plans.

NOTE M – STOCK INCENTIVE PLANS

Ashland has stock incentive plans under which key employees or directors are granted stock options, stock-settled stock appreciation rights (SARs), performance share awards or nonvested stock awards. Each program is typically a long-term incentive plan designed to link employee compensation with increased shareholder value over time or reward superior performance and encourage continued employment with Ashland. As discussed in Note A, Ashland began expensing stock awards on October 1, 2002 and recognizes compensation expense for the grant date fair value of stock-based awards over the applicable vesting period. The components of Ashland's pretax stock-based awards (net of forfeitures), which is included in

the selling, general and administrative expense caption of the Statements of Consolidated Income, and associated income tax benefits are as follows:

(In millions)	2008	2007	2006
Stock options	\$-	\$-	\$1
SARs	7	7	7
Performance share awards	3	6	13
Nonvested stock awards	2	3	4
	\$12	\$16	\$25
Income tax benefit	\$5	\$6	\$10

Stock options and SARs

Stock options and SARs are granted to employees or directors at a price equal to the fair market value of the stock on the date of grant and become exercisable over periods of one to three years. Unexercised stock options and SARs lapse ten years after the date of grant. In accordance with FAS 123(R) Ashland estimates the fair value of stock options and SARs granted using the Black-Scholes option-pricing model. This model requires several assumptions, which Ashland has developed and updates based on historical trends and current market observations. The accuracy of these assumptions is critical to the estimate of fair value for these equity instruments. The following table illustrates the assumptions used within the Black-Scholes option-pricing model. The risk free interest rate assumption was based on the U.S. Treasury yield curve in effect at the time of the grant for the expected term of the instrument. The dividend yield reflects the assumption that the current dividend payout will continue with no anticipated increases. The volatility assumption was calculated by utilizing an unbiased standard deviation of Ashland's common stock closing price for the past five years. The expected life is based on historical data and is not necessarily indicative of exercise patterns that may occur.

(In millions except per share data)	2008	2007	2006
Weighted-average fair value per share of options or SARs granted	\$ 12.62	\$ 17.67	\$ 17.24
Assumptions (weighted-average)			
Risk-free interest rate	3.8 %	4.2 %	4.4 %
Expected dividend yield	2.1 %	1.7 %	1.7 %
Expected volatility	25.8 %	27.3 %	26.3 %
Expected life (in years)	5.0	5.0	5.0

A progression of activity and various other information relative to stock options and SARs is presented in the following table.

2008		2007		2006	
Number of common shares	Weighted-average exercise price per share	Number of common shares	Weighted-average exercise price per share	Number of common shares	Weighted-average exercise price per share

(In thousands except per share data)

Outstanding - beginning of year (a)	2,674	\$ 36.07	2,602	\$ 41.56	3,274	\$ 39.74
Granted	434	53.33	482	65.78	23	65.48
Exercised	(173)	35.37	(829)	31.15	(678)	33.37
Forfeitures and expirations	(47)	52.51	(36)	53.63	(17)	48.30
Special dividend adjustment (b)	-	-	455	-	-	-
Outstanding - end of year (a)	2,888	43.92 (b)	2,674	41.99 (b)	2,602	41.56
Exercisable - end of year	2,234	39.91	2,064	36.07	2,181	39.21

(a) Exercise prices per share for options and SARs outstanding at September 30, 2008 ranged from \$19.11 to \$19.75 for 161,000, \$23.21 to \$25.71 for 503,000 shares, from \$32.28 to \$38.47 for 660,000 shares, from \$42.58 to \$49.79 for 660,000 shares, and from \$53.33 to \$65.78 for 904,000 shares. The weighted-average remaining contractual life of outstanding stock options and SARs was 6.1 years and exercisable stock options and SARs was 5.5 years.

(b) As described in Note M, Ashland distributed a special \$10.20 dividend to each shareholder of record as of October 10, 2006. Adjustments were made to outstanding grants of stock options and SARs to maintain their intrinsic values. The number of shares was increased by a factor of 1.18 and the exercise prices were decreased by a factor of .85. These adjustments did not result in an increase in the fair value of outstanding grants or any adjustment to expense recognition.

NOTE M – STOCK INCENTIVE PLANS (continued)

The total intrinsic value of stock options and SARs exercised was \$5 million in 2008, \$28 million in 2007 and \$20 million in 2006, respectively. The actual tax benefit realized from the exercised stock options and SARs was \$2 million in 2008, \$12 million in 2007 and \$8 million in 2006. The total grant date fair value of stock options and SARs that vested during 2008, 2007 and 2006 was \$7 million, \$2 million and \$1 million, respectively. As of September 30, 2008, there was \$5 million of total unrecognized compensation costs related to stock options and SARs. That cost is expected to be recognized over a weighted-average period of 1.7 years. As of September 30, 2008, the aggregate intrinsic value of outstanding stock options and SARs was \$4 million and exercisable stock options and SARs was \$4 million.

Nonvested stock awards

Nonvested stock awards are granted to employees or directors at a price equal to the fair market value of the stock on the date of grant and generally vest over a one to seven year period. However, such shares are subject to forfeiture upon termination of service before the vesting period ends. Nonvested stock awards entitle employees or directors to vote the shares and to receive any dividends thereon.

A progression of activity and various other information relative to nonvested stock awards is presented in the following table.

	2008		2007		2006	
	Number of common shares	Weighted-average grant date fair value	Number of common shares	Weighted-average grant date fair value	Number of common shares	Weighted-average grant date fair value
(In thousands except per share data)						
Nonvested - beginning of year	424	\$40.28	453	\$39.19	459	\$37.37
Granted	18	56.74	32	63.99	35	63.68
Vested	(136)	39.34	(56)	43.70	(25)	36.32
Forfeitures	(6)	59.62	(5)	55.71	(16)	45.07
Nonvested - end of year	300	40.86	424	40.28	453	39.19

The total fair value of nonvested stock awards that vested during 2008, 2007 and 2006 was \$7 million, \$3 million and \$2 million, respectively. As of September 30, 2008, there was \$3 million of total unrecognized compensation costs related to nonvested stock awards. That cost is expected to be recognized over a weighted-average period of 1.6 years.

Performance shares/units

Ashland sponsors a long-term incentive plan that awards performance shares/units to certain key employees that are tied to Ashland's overall financial performance relative to the financial performance of a selected industry peer group. Ashland believes that the focus on relative performance encourages management to make decisions that create shareholder value. Awards under this plan are granted annually, with each award covering a three-year performance cycle. Historically, each performance share/unit is convertible to one share of Ashland Common Stock or cash. As a result, these plans were recorded as a liability in the Consolidated Balance Sheet within the other noncurrent liabilities caption. As of September 30, 2008 and 2007, the recorded liability for these plans was \$2 million and \$11 million, respectively. Effective with the 2007-2009 grant and going forward, all performance shares/units are payable only in

Ashland Common Stock. Performance measures used to determine the actual number of performance shares/units issuable upon vesting include an equal weighting of Ashland's total shareholder return (TSR) performance and Ashland's return on investment (ROI) performance as compared to the performance peer group over the three-year performance cycle. TSR relative to peers is considered a market condition while ROI is considered a performance condition under applicable accounting guidance. Nonvested performance shares/units do not entitle employees to vote the shares or to receive any dividends thereon. The following table shows the performance shares/units granted for all plans that award Ashland Common Stock.

(In thousands except per share data)	Performance period	Target shares granted	(a)	Weighted-average fair value per share
Fiscal Year 2008	October 1, 2007 - September 30, 2010	118	\$	50.55
Fiscal Year 2007	October 1, 2006 - September 30, 2009	142	\$	72.52

(a) At the end of the performance period, the actual number of shares issued can range from zero to 200 percent of the target shares granted.

The fair value of the ROI portion of the performance share awards is equal to the fair market value of Ashland's Common Stock on the date of the grant discounted for the dividends forgone during the vesting period of the three-year performance cycle. Compensation cost is recognized over the requisite service period if it is probable that the performance

condition will be satisfied. The fair value of the TSR portion of the performance share awards is calculated using a Monte Carlo simulation valuation model using the assumptions included in the following table. Compensation cost is recognized over the requisite service period regardless of whether the market condition is satisfied.

	2008		2007	
Risk-free interest rate	3.5%	3.7%	4.7%	5.0%
Expected dividend yield	1.7	%	1.8	%
Expected life (in years)	3.0		3.0	
Expected volatility	26.3	%	24.4	%

The performance share awards expense for all plans that award Ashland Common Stock during 2008 and 2007 was \$4 million and \$2 million, respectively. The following table shows changes in nonvested performance shares/units for all plans that award Ashland Common Stock.

(In thousands except per share data)	2008		2007	
	Shares	Weighted-average grant date fair value	Shares	Weighted-average grant date fair value
Nonvested - beginning of year	119	\$72.52	-	\$-
Granted	118	50.55	142	72.52
Forfeitures	(10)	54.94	(23)	72.52
Nonvested - end of year	227	61.87	119	72.52

As of September 30, 2008, there was \$6 million of total unrecognized compensation costs related to nonvested performance share awards. That cost is expected to be recognized over a weighted-average period of approximately 1.5 years.

NOTE N – EMPLOYEE BENEFIT PLANS

Pension plans

Ashland and its subsidiaries sponsor contributory and noncontributory qualified and non-qualified defined benefit pension plans that cover substantially all employees in the United States and in a number of other countries. Ashland's funding policy is to fully fund the accumulated benefit obligations of its qualified U.S. plans with the level of contributions being determined annually to achieve that objective over time. In addition, Ashland has non-qualified unfunded pension plans which provide supplemental defined benefits to those employees whose benefits under the qualified pension plans are limited by the Employee Retirement Income Security Act of 1974 and the Internal Revenue Code. Ashland funds the costs of the non-qualified plans as the benefits are paid. Pension obligations for employees of non-U.S. consolidated subsidiaries are provided for by depositing funds with trustees or by book reserves in accordance with local practices and regulations of the respective countries.

Prior to July 1, 2003, benefits under Ashland's U.S. pension plans generally were based on employees' years of service and compensation during the years immediately preceding their retirement. Although certain changes were implemented on that date, the pension benefits of employees with at least ten years of service were not affected. As of July 1, 2003, the pension benefits of affected employees were converted to cash balance accounts. Such employees received an initial account balance equal to the present value of their accrued benefits under the previous plan on that date. Pension benefits for these employees are based on the balances in their accounts upon retirement.

Other postretirement benefit plans

Ashland and its subsidiaries sponsor health care and life insurance plans for eligible employees who retire or are disabled. Ashland's retiree life insurance plans are noncontributory, while Ashland shares the costs of providing health care coverage with its retired employees through premiums, deductibles and coinsurance provisions. Ashland funds its share of the costs of the postretirement benefit plans as the benefits are paid.

On December 8, 2003, the Medicare Prescription Drug, Improvement and Modernization Act of 2003 (the Act) was signed into law. Among other things, the Act expands Medicare to include an outpatient prescription drug benefit beginning in 2006, as well as provide a subsidy for sponsors of retiree health care plans that provide a benefit that is at least actuarially equivalent to the Medicare Act benefits. In May 2004, the FASB issued Staff Position (FSP) No. FAS 106-2, Accounting

NOTE N – EMPLOYEE BENEFIT PLANS (continued)

and Disclosure Requirements Related to the Medicare Prescription Drug, Improvement and Modernization Act of 2003. The FSP provided accounting guidance for the effects of the Act to a sponsor of a postretirement health care plan. Regulations implementing major provisions of the Act, including the determination of actuarial equivalency, were issued in January 2005. Effective May 1, 2005, Ashland amended its health care plan for retirees age 65 or older so that the company will always qualify for the subsidy and remeasured its postretirement benefit obligation as of that date. The remeasurement reduced the postretirement benefit obligation by \$58 million.

On July 1, 2003, Ashland implemented changes in the way it shares the cost of health care coverage with future retirees. These changes did not affect the previous cost-sharing program for retirees or for employees meeting certain qualifications at that date. However, Ashland did amend that program to limit its annual per capita costs to an amount equivalent to base year per capita costs, plus annual increases of up to 1.5% per year for costs incurred after January 1, 2004. Under a previous amendment, base year costs were limited to the amounts incurred in 1992, plus annual increases of up to 4.5% per year thereafter. As a result, health care cost trend rates have no significant effect on the amounts reported for the health care plans. Premiums for retiree health care coverage are equivalent to the excess of the estimated per capita costs over the amounts borne by Ashland.

Employees who were employed on June 30, 2003 who did not meet the required qualifications were allocated notional accounts that can only be used to pay all or part of the premiums for retiree health care coverage. Such premiums represent the full costs of providing that coverage, without any subsidy from Ashland. Employees must meet certain requirements upon separation in order to have access to their notional accounts. Retirees will continue to have access to Ashland coverage after their notional accounts are exhausted, but they will be responsible for paying the full premiums. New hires after June 30, 2003 will have access to any retiree health care coverage that may be provided, but will have no company funds available to help pay for such coverage.

Adoption of FAS 158

On September 30, 2007, Ashland adopted the recognition and disclosure provisions of FAS 158. See Note A for further discussion of FAS 158's provisions. The adoption of FAS 158 had no effect on Ashland's Statement of Consolidated Income for the year ended September 30, 2007, or for any prior periods represented. FAS 158 did have an incremental effect on individual line items in Ashland's Consolidated Balance Sheet at September 30, 2007, as shown in the following table. Had Ashland not been required to adopt FAS 158 at September 30, 2007, an additional minimum liability would have been recognized pursuant to the provisions of FAS 87. The effect of recognizing the additional minimum liability is included in the table below in the column labeled "Prior to Adopting FAS 158."

Consolidated Balance Sheet Caption (In millions)	At September 30, 2007		
	Prior to adopting FAS 158	Effect of adopting FAS 158	Consolidated Balance Sheet
Assets			
Goodwill and other intangibles (pension intangible assets)	\$2	\$(2)	\$ -
Deferred income taxes	57	27	84
Liabilities			
Employee benefit obligations (current and long-term)	194	68	262
Equity			
Accumulated other comprehensive income (loss)	(12)	(43)	(55)

Components of net periodic benefit costs

The plan amendments in 2003 previously discussed under other postretirement benefit plans reduced Ashland's accrued obligations under those plans, and the reductions are being amortized to income over future periods. Such amortization reduced Ashland's net periodic benefit costs for other postretirement benefits by \$4 million in 2008, \$4 million in 2007 and \$8 million in 2006. At September 30, 2008, the remaining unrecognized prior service credit resulting from the changes amounted to \$25 million, and will reduce future costs by \$4 million in 2009 and approximately \$4 million annually thereafter through 2014. As a result of the sale of APAC to Oldcastle during 2006, a curtailment gain of \$34 million (\$21 million after-tax) was recognized to account for this divestiture's impact on the plans.

The following table summarizes the components of pension and other postretirement benefit costs, and the assumptions used to determine net periodic benefit costs for the plans.

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(In millions)	Pension benefits			Other postretirement benefits		
	2008	2007	2006	2008	2007	2006
Net periodic benefit costs						
Service cost	\$36	\$37	\$57	\$5	\$4	\$7
Interest cost	93	87	84	12	11	12
Curtailment	-	-	(1)	-	3	(33)
Special termination benefits -						
Note J	-	8	-	-	-	-
Expected return on plan assets	(113)	(102)	(99)	-	-	-
Amortization of prior service cost (credit)	-	-	-	(3)	7	(8)
Amortization of net actuarial loss (gain)	5	17	40	(3)	(3)	1
	\$21	\$47	\$81	\$11	\$22	\$(21)
Weighted-average plan assumptions (a)						
Discount rate	6.16	% 5.66	% 5.42	% 5.96	% 5.64	% 5.33
Rate of compensation increase	3.74	% 3.74	% 4.46	% -	-	-
Expected long-term rate of						
return on plan assets	7.62	% 7.58	% 8.26	% -	-	-

(a) The plan assumptions disclosed are a blended weighted-average rate for Ashland's U.S. and non-U.S. plans. The U.S. pension plan represented approximately 87% of the projected benefit obligation at September 30, 2008. Other postretirement benefit plans consist of U.S. and Canada, with the U.S. plan representing approximately 92% of the accumulated postretirement benefit obligation at September 30, 2008. Non-U.S. plans use assumptions generally consistent with those of U.S. plans.

The following table shows the amounts in accumulated other comprehensive income at September 30, 2008 that are expected to be recognized as components of net periodic benefit cost (income) during the next fiscal year.

(In millions)	Pension benefits	Other postretirement benefits
Net actuarial loss (gain)	\$16	\$ (3)
Prior service cost (credit)	1	(3)
Total	\$17	\$ (6)

Obligations and funded status

Actuarial valuations are performed for the pension and other postretirement benefit plans to determine Ashland's obligation for each plan. Summaries of the change in benefit obligations, plan assets, funded status of the plans, amounts recognized in the balance sheet, and assumptions used to determine the benefit obligations for 2008 and 2007 follow.

NOTE N – EMPLOYEE BENEFIT PLANS (continued)

(In millions)	Pension plans		Other postretirement benefit plans	
	2008	2007	2008	2007
Change in benefit obligations				
Benefit obligations at October 1	\$1,562	\$1,549	\$205	\$245
Service cost	36	37	5	4
Interest cost	93	87	12	11
Curtailment	-	(2)	-	3
Special termination benefits	-	8	-	-
Participant contributions	2	1	11	11
Benefits paid	(80)	(75)	(31)	(28)
Medicare Part D Act	-	-	2	4
Actuarial gain	(267)	(63)	(24)	(59)
Foreign currency exchange rate changes	(8)	17	-	1
Other	5	3	-	13
Benefit obligations at September 30	\$1,343	\$1,562	\$180	\$205
Change in plan assets				
Value of plan assets at October 1	\$1,505	\$1,311	\$-	\$-
Actual (loss) return on plan assets	(261)	187	-	-
Employer contributions	25	58	20	17
Participant contributions	2	1	11	11
Benefits paid	(80)	(75)	(31)	(28)
Foreign currency exchange rate changes	(7)	13	-	-
Other	3	10	-	-
Value of plan assets at September 30	\$1,187	\$1,505	\$-	\$-
Unfunded status of the plans	\$(156)	\$(57)	\$(180)	\$(205)
Amounts recognized in the balance sheet				
Noncurrent benefit assets	\$-	\$74	\$-	\$-
Current benefit liabilities	(6)	(11)	(14)	(17)
Noncurrent benefit liabilities	(150)	(120)	(166)	(188)
Net amount recognized	\$(156)	\$(57)	\$(180)	\$(205)
Weighted-average plan assumptions				
Discount rate	7.81	% 6.16	% 7.78	% 5.96
Rate of compensation increase	3.73	% 3.74	% -	-

At September 30, 2008 and 2007, the amounts recognized in accumulated other comprehensive income, before income tax benefits, are shown in the following table.

(In millions)	Pension plans		Other postretirement benefit plans	
	2008	2007	2008	2007
Net actuarial loss (gain)	\$98	\$159	\$(21)	\$(45)
Prior service cost (credit)	4	2	3	(26)
Total	\$102	\$161	\$(18)	\$(71)

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The accumulated benefit obligation for all pension plans was \$1,245 million at September 30, 2008 and \$1,437 million at September 30, 2007. Information for pension plans with an accumulated benefit obligation in excess of plan assets follows:

(In millions)	2008			2007		
	Qualified plans (a)	Non-qualified plans	Total	Qualified plans (a)	Non-qualified plans	Total
Projected benefit obligation	\$44	\$75	\$119	\$48	\$85	\$133
Accumulated benefit obligation	41	67	108	45	74	119
Fair value of plan assets	15	-	15	19	-	19

(a) Includes qualified U.S. and non-U.S. pension plans.

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Plan assets

The expected long-term rate of return on U.S. pension plan assets for 2008 was 7.75%. The basis for determining the expected long-term rate of return is a combination of future return assumptions for various asset classes in Ashland's investment portfolio, historical analysis of previous returns, market indices and a projection of inflation.

Ashland's U.S. pension plan assets are managed by outside investment managers, which are monitored monthly against investment return benchmarks and Ashland's established investment strategy. Ashland's investment strategy is designed to promote diversification, to moderate volatility and to balance the expected long-term rate of return with an acceptable risk level. Investment managers are selected based on an analysis of, among other things, their investment process, historical investment results, frequency of management turnover, cost structure and assets under management. Assets are periodically reallocated between investment managers to maintain an appropriate asset mix, diversification of investments and to maximize returns.

Ashland's investment strategy and management practices relative to plan assets of non-U.S. plans generally are consistent with those for U.S. plans, except in those countries where investment of plan assets is dictated by applicable regulations.

The weighted-average asset allocations for Ashland's U.S. and non-U.S. plans at September 30, 2008 and 2007 by asset category follow.

(In millions)	Target	Actual at September 30			
		2008		2007	
Plan assets allocation					
Equity securities	55 - 75 %	55 %	72 %		
Debt securities	25 - 35 %	29 %	25 %		
Other	5 - 15 %	16 %	3 %		
		100 %	100 %		

Cash flows

In fiscal 2009, Ashland expects to contribute \$12 million to its non-U.S. pension plans and \$5 million to its U.S. pension plans. The Pension Protection Act of 2006, enacted in August 2006, introduced new minimum funding requirements that become effective for Ashland during fiscal 2009. As a result, Ashland's required contributions to its non-U.S. and U.S. pension plans may vary in the future. The following benefit payments, which reflect future service, are expected to be paid in each of the next five years and in aggregate for five years thereafter.

(In millions)	Pension benefits	Other postretirement benefits	
		With Medicare Part D subsidy	Without Medicare Part D subsidy
2009	\$ 78	\$ 15	\$ 19
2010	81	16	20

2011	86	17	21
2012	91	17	22
2013	98	18	23
2014-2018	570	92	120

Other plans

Ashland sponsors qualified savings plans to assist eligible employees in providing for retirement or other future needs. Under such plans, company contributions amounted to \$17 million in 2008, \$18 million in 2007 and \$17 million in 2006. Ashland also sponsors various other benefit plans, some of which are required by different countries. The total noncurrent liabilities associated with these plans totaled \$28 million and \$21 million as of September 30, 2008 and 2007, respectively.

NOTE O – LITIGATION, CLAIMS AND CONTINGENCIES

Asbestos-related litigation

Ashland is subject to liabilities from claims alleging personal injury caused by exposure to asbestos. Such claims result primarily from indemnification obligations undertaken in 1990 in connection with the sale of Riley. Although Riley was neither a producer nor a manufacturer of asbestos, its industrial boilers contained some asbestos-containing components provided by other companies.

Because claims are frequently filed and settled in large groups, the amount and timing of settlements and number of open claims can fluctuate significantly from period to period. Since October 1, 2005, Ashland has been dismissed as a defendant in 92% of the resolved claims. A summary of asbestos claims activity follows.

(In thousands)	2008	2007	2006
Open claims - beginning of year	134	162	184
New claims filed	4	4	6
Claims settled	(2)	(2)	(3)
Claims dismissed	(21)	(30)	(25)
Open claims - end of year	115	134	162

A progression of activity in the asbestos reserve is presented in the following table.

(In millions)	2008	2007	2006
Asbestos reserve - beginning of period	\$ 610	\$ 635	\$ 571
Reserve adjustment	2	5	104
Amounts paid	(40)	(30)	(40)
Asbestos reserve - end of period	\$ 572	\$ 610	\$ 635

Ashland retained HR&A to assist in developing and annually updating independent reserve estimates for future asbestos claims and related costs given various assumptions. The methodology used by HR&A to project future asbestos costs is based largely on Ashland's recent experience, including claim-filing and settlement rates, disease mix, enacted legislation, open claims, and litigation defense and claim settlement costs. Ashland's claim experience is compared to the results of previously conducted epidemiological studies estimating the number of people likely to develop asbestos-related diseases. Those studies were undertaken in connection with national analyses of the population expected to have been exposed to asbestos. Using that information, HR&A estimates a range of the number of future claims that may be filed, as well as the related costs that may be incurred in resolving those claims.

From the range of estimates, Ashland records the amount it believes to be the best estimate of future payments for litigation defense and claim settlement costs. During the most recent update of this estimate completed during 2008, it was determined that the reserve for asbestos claims should be increased by \$2 million. This increase in the reserve was based on the results of a non-inflated, non-discounted 51-year model developed with the assistance of HR&A. This increase resulted in total reserves for asbestos claims of \$572 million at September 30, 2008, compared to \$610 million at September 30, 2007.

Projecting future asbestos costs is subject to numerous variables that are extremely difficult to predict. In addition to the significant uncertainties surrounding the number of claims that might be received, other variables include the type

and severity of the disease alleged by each claimant, the long latency period associated with asbestos exposure, dismissal rates, costs of medical treatment, the impact of bankruptcies of other companies that are co-defendants in claims, uncertainties surrounding the litigation process from jurisdiction to jurisdiction and from case to case, and the impact of potential changes in legislative or judicial standards. Furthermore, any predictions with respect to these variables are subject to even greater uncertainty as the projection period lengthens. In light of these inherent uncertainties, Ashland believes its asbestos reserve represents the best estimate within a range of possible outcomes. As a part of the process to develop Ashland's estimates of future asbestos costs, a range of long-term cost models is developed. These models are based on national studies that predict the number of people likely to develop asbestos-related diseases and are heavily influenced by assumptions regarding long-term inflation rates for indemnity payments and legal defense costs, as well as other variables mentioned previously. Ashland has estimated that it is reasonably possible that total future litigation defense and claim settlement costs on an inflated and undiscounted basis could range as high as approximately \$1 billion, depending on the combination of assumptions selected in the various models. If actual experience is worse than projected relative to the number of claims filed, the severity of alleged disease associated with those claims or costs incurred to resolve those claims, Ashland may need to increase further the estimates of the costs associated with asbestos claims and these increases could potentially be material over time.

Ashland has insurance coverage for most of the litigation defense and claim settlement costs incurred in connection with its asbestos claims, and coverage-in-place agreements exist with the insurance companies that provide most of the coverage currently being accessed. As a result, increases in the asbestos reserve have been largely offset by probable insurance recoveries. The amounts not recoverable generally are due from insurers that are insolvent, rather than as a result of uninsured claims or the exhaustion of Ashland's insurance coverage.

Ashland has estimated the value of probable insurance recoveries associated with its asbestos reserve based on management's interpretations and estimates surrounding the available or applicable insurance coverage, including an assumption that all solvent insurance carriers remain solvent. Approximately 65% of the estimated receivables from insurance companies are expected to be due from domestic insurers, of which 83% have a credit rating of B+ or higher by A. M. Best as of September 30, 2008. The remainder of the insurance receivable is due from London insurance companies, which generally have lower credit quality ratings, and from Underwriters at Lloyd's, which is reinsured by Equitas (Limited). Ashland discounts a substantial portion of this piece of the receivable based upon the projected timing of the receipt of cash from those insurers. During 2007 a significant amount of Equitas' reinsurance of liabilities became reinsured by National Indemnity Corporation, a member of the Berkshire Hathaway group of insurance companies with a current A. M. Best rating of A++. As a result Ashland reassessed its assumptions for the receivable recorded from Equitas, and due to the improved credit quality of this portion of the receivable, Ashland increased its recorded receivable by \$21 million during 2007.

At September 30, 2008, Ashland's receivable for recoveries of litigation defense and claim settlement costs from insurers amounted to \$458 million, of which \$77 million relate to costs previously paid. Receivables from insurers amounted to \$488 million at September 30, 2007. During 2008, the model used for purposes of valuing the asbestos reserve described above, and its impact on the valuation of future recoveries from insurers was updated, which caused an additional \$8 million increase in the receivable for probable insurance recoveries.

Environmental remediation

Ashland is subject to various federal, state and local environmental laws and regulations that require environmental assessment or remediation efforts (collectively environmental remediation) at multiple locations. At September 30, 2008, such locations included 62 waste treatment or disposal sites where Ashland has been identified as a potentially responsible party under Superfund or similar state laws, 105 current and former operating facilities (including certain operating facilities conveyed to MAP) and about 1,220 service station properties, of which 177 are being actively remediated. Ashland's reserves for environmental remediation amounted to \$149 million at September 30, 2008, compared to \$174 million at September 30, 2007, of which \$112 million at September 30, 2008 and \$153 million at September 30, 2007 were classified in other noncurrent liabilities on the Consolidated Balance Sheets. The total reserves for environmental remediation reflect Ashland's estimates of the most likely costs that will be incurred over an extended period to remediate identified conditions for which the costs are reasonably estimable, without regard to any third-party recoveries. Engineering studies, probability techniques, historical experience and other factors are used to identify and evaluate remediation alternatives and their related costs in determining the estimated reserves for environmental remediation. Ashland regularly adjusts its reserves as environmental remediation continues. Ashland has estimated the value of its probable insurance recoveries associated with its environmental reserve based on management's interpretations and estimates surrounding the available or applicable insurance coverage. At September 30, 2008 and 2007 Ashland's recorded receivable for these probable insurance recoveries was \$40 million and \$44 million, respectively. Environmental remediation expense is included within the selling, general and administrative expense caption of the Statements of Consolidated Income and on an aggregate basis amounted to \$11 million in 2008, \$15 million in 2007 and \$59 million in 2006. Environmental remediation expense, net of receivable activity, was \$7 million in 2008, \$7 million in 2007 and \$47 million in 2006.

Environmental remediation reserves are subject to numerous inherent uncertainties that affect Ashland's ability to estimate its share of the costs. Such uncertainties involve the nature and extent of contamination at each site, the

extent of required cleanup efforts under existing environmental regulations, widely varying costs of alternate cleanup methods, changes in environmental regulations, the potential effect of continuing improvements in remediation technology, and the number and financial strength of other potentially responsible parties at multiparty sites. Although it is not possible to predict with certainty the ultimate costs of environmental remediation, Ashland currently estimates that the upper end of the reasonably possible range of future costs for identified sites could be as high as approximately \$230 million. No individual remediation location is material to Ashland, as its largest reserve for any site does not exceed 15% of the remediation reserve.

Other legal proceedings

In addition to the matters described above, there are various claims, lawsuits and administrative proceedings pending or threatened against Ashland and its current and former subsidiaries. Such actions are with respect to commercial matters, product liability, toxic tort liability, and other environmental matters, which seek remedies or damages, some of which are for substantial amounts. While these actions are being contested, their outcome is not predictable.

NOTE P – SEGMENT INFORMATION

Ashland's businesses are managed along four industry segments: Performance Materials, Distribution, Valvoline and Water Technologies. Previously, Ashland operated its wholly owned subsidiary, APAC, as a separate industry segment before it was divested on August 28, 2006, qualifying for discontinued operation treatment in the Consolidated Financial Statements for all periods presented. Ashland also held, through June 30, 2005, a 38% interest in MAP, which was the primary component of its Refining and Marketing segment. For further information on this transaction see Note C.

Ashland Performance Materials is a worldwide manufacturer and supplier of specialty chemicals and customized services to the building and construction, transportation, metal casting, marine, and packaging and converting markets. It is a technology leader in metal casting consumables and design services; unsaturated polyester and vinyl ester resins and gelcoats; and high-performance adhesives and specialty resins. Through this segment, Ashland owns and operates 34 manufacturing facilities and participates in eight manufacturing joint ventures in 15 countries. This segment competes globally in selected niche markets, largely on the basis of technology and service.

Ashland Distribution distributes chemicals, plastics and composite raw materials in North America and plastics in Europe. Ashland Distribution also provides environmental services, including hazardous and nonhazardous waste collection, recovery, recycling and disposal, in North America. Deliveries are made in North America through a network of 60 owned or leased facilities, 70 third-party warehouses, rail terminals and tank terminals and 4 locations that perform contract packaging activities for Ashland Distribution. Distribution of thermoplastic resins in Europe is conducted in 18 countries primarily through 14 third-party warehouses and one owned warehouse.

Valvoline is a marketer of premium-branded automotive and commercial oils, automotive chemicals, automotive appearance products and automotive services, with sales in more than 100 countries. The Valvoline® trademark was federally registered in 1873 and is the oldest trademark for lubricating oil in the United States. Valvoline is also engaged in the fast oil change business through owned and franchised service centers operating under the VIOC name.

Ashland Water Technologies provides specialized chemicals and consulting services for the utility water treatment market, which includes boiler water, cooling water, fuel and waste streams. Programs include performance-based feed and control automation and remote system surveillance. This segment also provides process water treatments for the municipal, extraction/mining, pulp and paper processing, food processing, oil refining and chemical processing markets. It also provides technical products and shipboard services for the ocean-going marine market. Comprehensive marine programs include water and fuel treatment; maintenance, including specialized cleaners, welding and refrigerant products and sealants; and fire fighting, safety and rescue products and services. Ashland Water Technologies also provides specialized chemical additives for the paint and coatings industry. Ashland Water Technologies owns and operates 11 manufacturing facilities in eight countries and participates in three joint ventures.

Information about Ashland's domestic and international operations follows. Ashland has no material operations in any individual international country and no single customer represented more than 10% of sales and operating revenues in 2008, 2007 or 2006.

(In millions)	Revenues from external customers			Net assets		Property, plant and equipment - net	
	2008	2007	2006	2008	2007	2008	2007
United States	\$ 5,549	\$ 5,188	\$ 5,312	\$ 2,226	\$ 2,211	\$ 775	\$ 720
International	2,832	2,597	1,921	976	943	337	263
	\$ 8,381	\$ 7,785	\$ 7,233	\$ 3,202	\$ 3,154	\$ 1,112	\$ 983

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Ashland Inc. and Consolidated Subsidiaries
Segment Information
Years Ended September 30

(In millions)	2008	2007	2006
Sales and operating revenues			
Performance Materials	\$1,621	\$1,580	\$1,425
Distribution	4,374	4,031	4,070
Valvoline	1,662	1,525	1,409
Water Technologies	893	818	502
Intersegment sales (a)			
Performance Materials	(151)	(154)	(145)
Distribution	(12)	(12)	(23)
Valvoline	(6)	(1)	(3)
Water Technologies	-	(2)	(2)
	\$8,381	\$7,785	\$7,233
Equity income			
Performance Materials	\$16	\$10	\$10
Valvoline	5	4	1
Water Technologies	1	1	-
Unallocated and other	1	-	-
	23	15	11
Other income			
Performance Materials	3	4	4
Distribution	3	3	4
Valvoline	7	8	7
Water Technologies	2	3	4
Unallocated and other	16	16	14
	31	34	33
	\$54	\$49	\$44
Operating income			
Performance Materials	\$52	\$89	\$112
Distribution	51	41	120
Valvoline	83	86	(21)
Water Technologies	10	16	14
Unallocated and other	17	(16)	(55)
	\$213	\$216	\$170
Assets			
Performance Materials	\$1,080	\$997	\$841
Distribution	1,090	1,218	1,148
Valvoline	750	751	742
Water Technologies	495	514	468
Unallocated and other (b)	2,356	2,206	3,391
	\$5,771	\$5,686	\$6,590

(a) Intersegment sales are accounted for at prices that approximate market value.

(b) Includes cash, cash equivalents, available-for-sale securities, property and other assets.

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NOTE P – SEGMENT INFORMATION (continued)

Ashland Inc. and Consolidated Subsidiaries
Segment Information (continued)
Years Ended September 30

(In millions)	2008	2007	2006
Investment in equity affiliates			
Performance Materials	\$59	\$49	\$44
Valvoline	15	14	11
Water Technologies	3	4	3
Unallocated and other	4	6	3
	\$81	\$73	\$61
Expense (income) not affecting cash			
Depreciation and amortization			
Performance Materials	\$42	\$36	\$31
Distribution	24	22	21
Valvoline	32	31	28
Water Technologies	26	27	17
Unallocated and other	21	17	14
	145	133	111
Other noncash items (c)			
Performance Materials	(4)	7	(12)
Distribution	2	3	12
Valvoline	-	7	6
Water Technologies	1	-	(1)
Unallocated and other	27	19	15
	26	36	20
	\$171	\$169	\$131
Property, plant and equipment - net			
Performance Materials	\$393	\$318	\$290
Distribution	205	204	192
Valvoline	232	228	237
Water Technologies	104	111	120
Unallocated and other	178	122	111
	\$1,112	\$983	\$950
Additions to property, plant and equipment			
Performance Materials	\$48	\$56	\$58
Distribution	27	29	36
Valvoline	42	28	38
Water Technologies	17	24	23
Unallocated and other	71	17	20
	\$205	\$154	\$175

(c)Includes deferred income taxes, equity income from affiliates net of distributions and other items not affecting cash.

NOTE Q – SUBSEQUENT EVENTS

Acquisition

On November 13, 2008, Ashland completed its acquisition of Hercules, creating a leading specialty chemicals company. The acquisition creates a defined core for Ashland composed of three specialty chemical businesses which includes paper and water technologies, specialty resins, and specialty additives and ingredients.

The cost to acquire the 112.7 million shares of outstanding Hercules Common Stock at November 13, 2008, paid in cash and Ashland Common Stock, was approximately \$2.6 billion, consisting of cash consideration of \$2.1 billion and stock consideration, valued as of the original announcement date, of \$0.5 billion. Ashland Common Stock issued as part of the merger acquisition was approximately 10.5 million shares. In addition, Ashland assumed debt that had a carrying value of approximately \$0.8 billion as of the closing date.

The merger will be recorded by Ashland during the first quarter of 2009 using the purchase method of accounting in accordance with FASB Statement No. 141 Business Combinations, whereby the total purchase price, including qualifying transaction related expenses, will be allocated to tangible and intangible assets acquired based upon their respective fair values. Due to the timing of the completed merger, a preliminary purchase price allocation was unavailable due to various ongoing tangible and intangible asset and liability appraisals and valuations.

Hercules reported net sales of \$2.3 billion for the trailing twelve months ended September 30, 2008 and reported assets of \$2.7 billion and liabilities of \$2.1 billion as of September 30, 2008.

Debt issuance

In conjunction with the acquisition of Hercules previously described, Ashland secured \$2.6 billion in financing from Bank of America Securities LLC and Scotia Capital (USA) Inc. consisting of a \$400 million revolving credit facility, a \$400 million term loan A facility, an \$850 million term loan B facility, a \$200 million accounts receivable securitization facility, and a \$750 million bridge loan. The total debt drawn upon the closing of the completed merger was \$2.3 billion resulting in ongoing Ashland total debt of approximately \$2.6 billion, which included amounts used to fund the extinguishment of certain debt instruments that Hercules held as of the closing date.

As a result of the financing and subsequent debt issued to complete this merger, Standard & Poor's downgraded Ashland's corporate credit rating to BB- and Moody's Investor Services downgraded Ashland's corporate credit rating to Ba2. In addition, Ashland is now subject to cash and other restrictions from various debt covenants. These covenants include certain affirmative covenants such as various internal certifications, maintenance of property and applicable insurance coverage as well as negative covenants that include financial covenant restrictions associated with leverage and fixed charge coverage ratios and total net worth.

Dividend reduction

On November 20, 2008, the Board of Directors of Ashland declared a quarterly cash dividend of 7.5 cents per share, payable December 15, 2008, to shareholders of record at the close of business on December 1, 2008. This is reduced from the previous quarterly dividend of 27.5 cents per share.

QUARTERLY FINANCIAL INFORMATION

The following table presents quarterly financial information and per share data relative to Ashland's Common Stock.

Quarters ended (In millions except per share data)	December 31		March 31		June 30		September 30			
	2007	2006	2008	2007	2008	2007	2008	(a)	2007	(b)
Sales and operating revenues	\$ 1,905	\$ 1,803	\$ 2,059	\$ 1,915	\$ 2,201	\$ 1,983	\$ 2,216		\$ 2,085	
Operating income	46	58	52	41	87	91	28		26	
Income (loss) from continuing operations	38	53	72	31	66	86	(1)		32	
Net income (loss)	33	49	72	49	72	100	(10)		32	
Basic earnings per share										
Continuing operations	\$.61	\$.82	\$ 1.14	\$.49	\$ 1.04	\$ 1.37	\$ (.01)		\$.52	
Net income	.52	.76	1.14	.78	1.15	1.60	(.15)		.52	
Diluted earnings per share										
Continuing operations	\$.60	\$.81	\$ 1.13	\$.49	\$ 1.03	\$ 1.35	\$ (.01)		\$.51	
Net income	.52	.75	1.13	.77	1.13	1.58	(.15)		.51	
Regular cash dividends per share										
	\$.275	\$.275	\$.275	\$.275	\$.275	\$.275	\$.275		\$.275	
Special cash dividend per share (c)										
	-	\$ 10.20	-	-	-	-	-		-	
Market price per common share										
High	\$ 68.99	\$ 71.04	\$ 49.88	\$ 70.20	\$ 58.58	\$ 66.03	\$ 48.97		\$ 66.77	
Low	45.79	57.26	39.82	61.66	47.01	58.44	26.81		50.23	

(a)

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Fourth quarter results include a decrease in operating income of \$7 million for severance costs associated with cost structure efficiency initiatives in Performance Materials and Water Technologies.

- (b) Fourth quarter results include an increase in operating income of \$5 million related to the elimination of a one-month financial reporting lag for foreign operations and a decrease in income of \$11 million related to foreign postretirement medical plans.
- (c) Ashland paid an additional dividend in October 2006 of \$10.20 per share as part of the use of proceeds from the APAC divestiture. See Note B for further information.

Ashland Inc. and Consolidated
Subsidiaries
Schedule II - Valuation and
Qualifying Accounts

(In millions)	Balance at beginning of year	Provisions charged to earnings	Reserves utilized	Other changes	Balance at end of year
Year ended September 30, 2008					
Reserves deducted from asset accounts					
Accounts receivable	\$ 41	\$ 10	\$ (21)	\$ 3	\$ 33
Inventories	13	2	(4)	-	11
Year ended September 30, 2007					
Reserves deducted from asset accounts					
Accounts receivable	\$ 40	\$ 24	\$ (15)	\$ (8)	\$ 41
Inventories	16	2	(4)	(1)	13
Year ended September 30, 2006					
Reserves deducted from asset accounts					
Accounts receivable	\$ 33	\$ 12	\$ (11)	\$ 6	\$ 40
Inventories	11	6	(1)	-	16

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Ashland Inc. and Consolidated
Subsidiaries
Five-Year Selected Financial
Information
Years Ended September 30

(In millions except per share data)	2008	2007	2006	2005	2004
Summary of operations					
Sales and operating revenues	\$ 8,381	\$ 7,785	\$ 7,233	\$ 6,731	\$ 5,776
Costs and expenses					
Cost of sales and operating expenses	7,056	6,447	6,030	5,545	4,721
Selling, general and administrative expenses	1,166	1,171	1,077	1,079	968
	8,222	7,618	7,107	6,624	5,689
Equity and other income	54	49	44	564	438
Operating income	213	216	170	671	525
Gain (loss) on the MAP Transaction	20	(3)	(5)	1,284	-
Loss on early retirement of debt	-	-	-	(145)	-
Net interest and other financing income (costs)	28	46	47	(82)	(114)
Income from continuing operations					
before income taxes	261	259	212	1,728	411
Income tax (expense) benefit	(86)	(58)	(29)	230	(100)
Income from continuing operations	175	201	183	1,958	311
Income (loss) from discontinued operations	(8)	29	224	46	67
Net income	\$ 167	\$ 230	\$ 407	\$ 2,004	\$ 378
Balance sheet information (as of September 30)					
Current assets	\$ 3,032	\$ 3,276	\$ 4,250	\$ 3,757	\$ 2,302
Current liabilities	1,230	1,152	2,041	1,545	1,815
Working capital	\$ 1,802	\$ 2,124	\$ 2,209	\$ 2,212	\$ 487
Total assets	\$ 5,771	\$ 5,686	\$ 6,590	\$ 6,815	\$ 7,502
Short-term debt	\$ -	\$ -	\$ -	\$ -	\$ 40
Long-term debt (including current portion)	66	69	82	94	1,508
Stockholders' equity	3,202	3,154	3,096	3,739	2,706
Capital employed	\$ 3,268	\$ 3,223	\$ 3,178	\$ 3,833	\$ 4,254
Cash flow information					
Cash flows from operating activities from					
continuing operations	\$ 478	\$ 189	\$ 145	\$ (76)	\$ 33
Additions to property, plant and equipment	205	154	175	180	137
Cash dividends	69	743	78	79	77

Common stock information

Diluted earnings per share

Income from continuing operations	\$ 2.76	\$ 3.15	\$ 2.53	\$ 26.23	\$ 4.36
Net income	2.63	3.60	5.64	26.85	5.31
Regular cash dividends per share	1.10	1.10	1.10	1.10	1.10
Special cash dividend per share - Note L	-	10.20	-	-	-

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