

POLYONE CORP  
Form 11-K  
June 27, 2008

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
FORM 11-K  
ANNUAL REPORT PURSUANT TO SECTION 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934**

(Mark One)

**ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934**

**For the fiscal year ended December 31, 2007**

**OR**

**TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934**

**For the transition period from \_\_\_\_\_ to \_\_\_\_\_**

**Commission file number 1-16091.**

A. Full title of the plan and the address of the plan, if different from that of the issuer below:

**POLYONE RETIREMENT SAVINGS PLAN**

B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

**POLYONE CORPORATION  
33587 WALKER ROAD  
AVON LAKE, OHIO 44012**

**REQUIRED INFORMATION**

The following financial statements and supplemental schedules for the PolyOne Retirement Savings Plan, prepared in accordance with the financial reporting requirements of ERISA, are being filed herewith:

**Page  
No.  
(in this  
Report)**

Audited Financial Statements and Supplemental Schedules, December 31, 2007 and 2006 and Year ended December 31, 2007 with Report of Independent Registered Public Accounting Firm

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The following exhibit is being filed herewith:

23.1 Consent of Ernst & Young LLP

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SIGNATURES

The Plan. Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: June 27, 2008

POLYONE RETIREMENT SAVINGS  
PLAN

By PolyOne Corporation Retirement Plan  
Committee

By: /s/ Robert M. Patterson  
Robert M. Patterson  
Senior Vice President and Chief  
Financial Officer PolyOne Corporation

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AUDITED FINANCIAL STATEMENTS AND  
SUPPLEMENTAL SCHEDULE  
PolyOne Retirement Savings Plan  
December 31, 2007 and 2006 and Year Ended December 31, 2007  
With Report of Independent Registered Public Accounting Firm

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PolyOne Retirement Savings Plan  
Audited Financial Statements and Supplemental Schedule  
December 31, 2007 and 2006 and  
Year Ended December 31, 2007  
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Report of Independent Registered Public Accounting Firm

PolyOne Corporation

The Retirement Plan Committee

We have audited the accompanying statements of net assets available for benefits of the PolyOne Retirement Savings Plan as of December 31, 2007 and 2006, and the related statement of changes in net assets available for benefits for the year ended December 31, 2007. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements 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. We were not engaged to perform an audit of the Plan's internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. 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 net assets available for benefits of the Plan at December 31, 2007 and 2006, and the changes in its net assets available for benefits for the year ended December 31, 2007, in conformity with U.S. generally accepted accounting principles.

Our audits were performed for the purpose of forming an opinion on the financial statements taken as a whole. The accompanying supplemental schedule of assets (held at end of year) as of December 31, 2007, is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. This supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in our audits of the financial statements and, in our opinion, is fairly stated in all material respects in relation to the financial statements taken as a whole.

/s/ ERNST & YOUNG LLP

Cleveland, Ohio

June 27, 2008

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**PolyOne Retirement Savings Plan  
Statements of Net Assets Available for Benefits**

	December 31,	
	2007	2006
Assets		
Investments, at fair value	\$322,267,975	\$311,627,889
Receivables:		
Participant Contributions		313,327
Employer Contributions		338,865
Participant Loans		137,163
Total Receivables		789,355
Net assets available for benefits, at fair value	322,267,975	312,417,244
Adjustments from fair value to contract value for fully benefit responsive investment contracts	386,689	1,569,346
Net assets available for benefits	\$322,654,664	\$313,986,590

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**PolyOne Retirement Savings Plan**  
**Statement of Changes in Net Assets Available for Benefits**

	<b>Year ended December 31, 2007</b>
<b>Additions</b>	
Investment income	
Interest & brokerage income	\$ 13,425,181
Dividends	4,836,670
	18,261,851
Contributions	
Participant	10,750,796
Employer	10,422,616
Rollover	608,816
Other	172,437
	21,954,665
<b>Total Additions</b>	<b>40,216,516</b>
<b>Deductions</b>	
Benefits paid directly to participants	28,454,328
Net depreciation in fair value of investments	2,844,096
Forfeitures	32,270
Administrative expenses	217,748
<b>Total Deductions</b>	<b>31,548,442</b>
Net Increase	8,668,074
<b>Net Assets Available for Benefits</b>	
Beginning of year	313,986,590
End of year	\$ 322,654,664



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PolyOne Retirement Savings Plan  
Notes to Financial Statements  
December 31, 2007 and 2006 and  
Year Ended December 31, 2007

**1. Summary Description of the Plan**

**General**

The PolyOne Retirement Savings Plan (the Plan) is a defined contribution plan that covers all employees of the Company, other than leased employees, nonresident aliens, other employees regularly employed outside of the United States, and persons classified by the Company as anything other than employees (even if that classification is later changed). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA).

The following summary description of the Plan is provided for general information purposes only. Participants should refer to the plan document for a more complete description of the Plan's provisions.

The Plan is sponsored by PolyOne Corporation (the Company and Plan Sponsor) and is administered by the PolyOne Corporation Retirement Plan Committee.

**Contributions**

**Employee**

A participant who is not a highly compensated employee may elect a bi-weekly payroll deduction from 1% to 50% of eligible earnings while participants who are classified as highly compensated employees may elect a bi-weekly payroll deduction of 1% to 15% of eligible earnings. The Retirement Plan Committee has the authority at its discretion to reduce the employees' bi-weekly contribution percentage in order to maintain the tax-qualified status of the Plan.

The Plan offers participants the choice of two savings options: an after-tax savings option and a pretax savings option. Participants may elect to participate in either or both of the savings options. Under both savings options, participants may direct that contributions be invested in any eligible funds offered by the Plan. Participants may change their investment options daily.

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PolyOne Retirement Savings Plan  
Notes to Financial Statements (continued)

**1. Summary Description of the Plan (continued)**

**Contributions (continued)**

**Employer**

The Company provides for a matching contribution equal to 100% of the first 3% and 50% of the next 3% of the participant's eligible compensation. For each payroll period, the Company intends to make a retirement contribution for each participant equal to 2% of eligible earnings. Both the employer matching contributions and the 2% retirement contributions follow the participant's investment elections. In addition the Company will make additional contributions to certain eligible participants, as defined, equal to 1% to 4% of eligible compensation.

The Plan provides for the acceptance of rollover contributions from other plans qualified under the Internal Revenue Code (the Code). Rollover contributions can be made only in cash to the Plan's tax-deferred savings option.

Forfeiture accounts in the Plan total approximately \$434,532 at December 31, 2007 and are held in the NYL Insurance Anchor Account I - Stable Value Fund (NYL Anchor). The balance in these accounts will be used to fund future Company contributions and Plan administrative expenses.

**Vesting**

Participant contributions and Company matching and discretionary contributions are fully vested immediately.

Company retirement contributions are 100% vested after three years of service.

**Participant Loans**

Participants may borrow a maximum amount equal to the lesser of 50% of their vested account balance (excluding amounts relating to discretionary profit sharing contributions) or \$50,000, subject to certain Department of Labor and Internal Revenue Service requirements. The Plan provides that loan amounts must be a minimum of \$1,000. Interest is charged to the borrower at the trustee's prime rate plus 1%. Payments on loans are made through payroll deductions and must be repaid within five years (personal loans) or five to fifteen years (primary residence loans).

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PolyOne Retirement Savings Plan  
Notes to Financial Statements (continued)

**1. Summary Description of the Plan (continued)**

**Plan Withdrawals and Distributions**

Active participants may make hardship withdrawals from their salary deferral and rollover account. Age-based in-service withdrawals are available from the participant's vested account balance.

Plan distributions are made to participants or their designated beneficiary upon normal retirement, disability, or death, in the full amounts credited to their participant account. A participant who leaves employment of the Company before normal retirement for reasons other than disability, death, or a reduction in workforce is eligible to receive all amounts credited to their account relating to participant contributions, including rollovers, and the vested portion of Company matching and discretionary contributions. Distributions are made in either a single lump sum or periodic payments. Additionally, employees of select merged plans may elect a portion in a lump sum with the remainder paid in periodic payments, a single life annuity for single participants, or a joint and 50% or 100% survivor annuity with the participant's spouse as the joint annuitant for married participants if these options were available under their previous plan.

**Plan Termination**

Although the Company has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. Upon either of these events, the accounts of each affected employee will vest immediately, and participants will receive a distribution of their total participant account balance.

**Administrative Expenses**

Administrative expenses of the Plan are generally paid through the forfeiture account. Participants are charged investment management fees, which are allocated to participant accounts.

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PolyOne Retirement Savings Plan  
Notes to Financial Statements (continued)

**2. Summary of Significant Accounting Policies**

**Basis of Accounting**

The financial statements of the Plan are prepared using the accrual basis of accounting.

**Use of Estimates**

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

**New Accounting Pronouncement**

In December 2005, the Financial Accounting Standards Board (FASB) issued FASB Staff Position AAG INV-1 and SOP 94-4-1, *Reporting of Fully Benefit-Responsive Investment Contracts Held by Certain Investment Companies Subject to the AICPA Investment Company Guide and Defined-Contribution Health and Welfare and Pension Plans* (the FSP). The FSP defines the circumstances in which an investment contract is considered fully benefit responsive and provides certain reporting and disclosure requirements for fully benefit responsive investment contracts in defined contribution health and welfare and pension plans.

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PolyOne Retirement Savings Plan  
Notes to Financial Statements (continued)

**2. Summary of Significant Accounting Policies (continued)****New Accounting Pronouncement (continued)**

The financial statement presentation and disclosure provisions of the FSP are effective for financial statements issued for annual periods ending after December 15, 2006 and are required to be applied retroactively to all prior periods presented for comparative purposes. The Plan has adopted the provisions of the FSP at December 31, 2006.

As required by the FSP, investments in the accompanying Statements of Net Assets Available for Benefits include fully benefit responsive investment contracts recognized at fair value. AICPA Statement of Position 94-4-1, *Reporting of Investment Contracts Held by Health and Welfare Benefit Plans and Defined Contribution Pension Plans*, as amended, requires fully benefit responsive investment contracts to be reported at fair value in the Plan's Statement of Net Assets Available for Benefits with a corresponding adjustment to reflect these investments at contract value.

In September 2006, the FASB issued SFAS No. 157, *Fair Value Measurement*, which defines fair value, establishes the framework for measuring fair value under U.S. generally accepted accounting principles and expands disclosures about fair value measurements. SFAS No. 157 is effective for fiscal years beginning after November 15, 2007. The Company does not expect the adoption of SFAS No. 157 to have a material impact on the statement of net assets available for benefits or the statement of changes in net assets available for benefits.

**Valuation of Investments and Income Recognition**

Investments are stated at fair value. Securities traded on a national securities exchange are valued at the last reported sales price on the last business day of the Plan year. Investments for which no sale was reported on that date are valued at the average of the last reported bid and ask prices. Shares of mutual funds are valued at quoted market prices, which represent the net asset values of shares held by the Plan at year-end. Common/collective trust funds are stated at fair value, as determined by the trustee.

The NYL Anchor comprises 100% and 99.8% at December 31, 2007 and 2006, respectively, of the PolyOne Stable Value Fund. The NYL Anchor is a pooled separate account made available to participating plans through a group annuity contract offered to the plans' trustee. The group annuity contract is an investment contract that is benefit-responsive. The investment contract is recorded at contract value (i.e., book value), which represent contributions and reinvested income, less any withdrawals plus accrued interest.

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PolyOne Retirement Savings Plan  
Notes to Financial Statements (continued)

**2. Summary of Significant Accounting Policies (continued)****Valuation of Investments and Income Recognition (continued)**

Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value. However, withdrawals influenced by Company-initiated events, such as in connection with the sale of a business, may result in a distribution at other than contract value.

The contract value of the investment contracts at December 31, 2007 and 2006, was \$56,866,036 and \$52,662,621, respectively. There are no reserves against contract values for credit risk of contract issuer or otherwise.

The fair value of the investment contracts at December 31, 2007 and 2006, was \$56,479,347 and \$51,093,275, respectively. The net average yield was approximately 4.29% and 4.18% in 2007 and 2006. The crediting interest rate for these investment contracts is reset daily by the issuer but cannot be less than zero and was approximately 5.24% and 4.94% at December 31, 2007 and 2006, respectively.

Participant loans are valued at their outstanding balances, which approximate fair value. Purchases and sales of securities are reported on a trade date basis. Dividend income is recorded on the ex-dividend date and interest income is recorded on the accrual basis. Gains and losses on security transactions are determined using the average cost method.

**3. Investments**

The fair value of individual investments that represent 5% or more of the Plan's net assets are as follows:

	<b>December 31,</b>	
	<b>2007</b>	<b>2006</b>
PolyOne Corporation Common Stock	\$32,589,187	\$39,858,352
NYL Insurance Anchor Account I	56,479,347	51,093,275
PIMCO Total Return Fund	20,657,361	17,365,033
Franklin Balance Sheet Investment Fund		15,925,199
Mainstay S & P 500 Index Fund	49,606,198	51,819,974
Growth Fund of America	36,415,119	33,001,945
Alliance Bernstein Balanced Shares	19,731,679	20,878,324
Euro Pacific Growth Fund	30,603,453	23,536,603

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PolyOne Retirement Savings Plan  
Notes to Financial Statements (continued)

**3. Investments (continued)**

During 2007, the Plan's investments (including gains and losses on investments bought and sold, as well as held during the year) depreciated in fair value as follows:

<b>December 31, 2007</b>	<b>Net Realized and Unrealized Appreciation (Depreciation) in Fair Value of Investments</b>
PolyOne Common Stock	\$ (3,912,914)
Mutual Funds	1,068,818
	\$ (2,844,096)

**4. Risks and Uncertainties**

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

**5. Income Tax Status**

The Plan has received a determination letter from the Internal Revenue Service dated March 10, 2004, stating that the Plan is qualified under Section 401(a) of the Code. As a result the related trust is exempt from taxation. Subsequent to this determination by the Internal Revenue Service, the Plan was amended. Once qualified, the Plan is required to operate in conformity with the Code to maintain its qualification. The Plan Sponsor believes the Plan is being operated in compliance with the applicable requirements of the Code, and therefore, believes that the Plan, as amended, is qualified and the related trust is tax exempt.

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PolyOne Retirement Savings Plan  
Notes to Financial Statements (continued)

**6. Reconciliation of Financial Statements to the Form 5500**

The following is a reconciliation of net assets available for benefits per the financial statements to the Form 5500:

	<b>2007</b>	<b>December 31, 2006</b>
Net assets available for benefits per the financial statements	\$322,654,664	\$313,986,590
Less:		
Deemed distributions	(158,427)	(180,160)
Receivables		(789,355)
Net assets available for benefits per the Form 5500	\$322,496,237	\$313,017,075

Deemed distributions of participant loans are loans that are in default by participants of the Plan. While the U.S. Department of Labor does not recognize these loans as assets for regulatory reporting, they are included as assets (i.e., loans) in the financial statements of the Plan.

The accompanying financial statements in this Annual Report on Form 11-K are prepared using the accrual method of accounting. The Form 5500 is prepared using the cash basis of accounting. Therefore, Plan receivables represent a reconciling item.



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PolyOne Retirement Savings Plan  
 EIN: 34-1730488 Plan Number: 001  
 Schedule H, Line 4(i) Schedule of Assets  
 (Held at End of Year)  
**December 31, 2007**

<b>Identity of Issuer, Borrower, Lessor or Similar Party</b>	<b>Description of Investment</b>	<b>Current Value</b>
Mainstay Management PolyOne Corporation *	PolyOne Stock Fund	
	Mainstay Cash Reserves Fund I	\$ 1,125,091
	Common stock: 4,952,764 shares	32,589,187
New York Life Insurance	PolyOne Stable Value Fund	
	Anchor Account I	56,479,347
Pacific Investment Management Company	PIMCO Total Return Fund: 1,932,400 units	20,657,361
AIM Advisors	Small Cap Growth Fund: 290,128 units	8,413,704
Capital Research & Management	American Funds Euro Pacific Growth Fund: 601,601 units	30,603,453
	American Funds Growth Fund of America Fund: 1,071,033 units	36,415,119
	American Funds Washington Mutual Investors Fund: 388,265 units	13,053,472
Mainstay Management	Mainstay S&P500 Index Fund: 1,467,639 units	49,606,198
	Mainstay MAP Fund: 422,862 units	14,804,382
Franklin Advisory Services	Franklin Balance Sheet Investment Fund: 245,142 units	14,208,408
Alliance Capital Management	Alliance Bernstein Balanced Shares: 1,178,011 units	19,731,679
Brokerage Account	Various investments	15,433,552
Participant loans*	At interest rates ranging from 4.0% to 10.5%	9,147,022
		\$ 322,267,975

\* Indicates party-in-interest to the Plan.