POLYONE CORP Form 4 February 11, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

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obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

WALTERMIRE THOMAS A		Symbo	2. Issuer Name and Ticker or Trading Symbol POLYONE CORP [POL]				S. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) (First) (Middle) POLYONE CENTER, 33587 WALKER ROAD			3. Date of Earliest Transaction (Month/Day/Year) 01/27/2005				(Check all applicable) _X_ Director 10% Owner _X_ Officer (give title Other (specify below) CEO and President				
				nendment, Date Original onth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			
AVON LAI	KE, OH 44012						Person	More than One R	eporting		
(City)	(State)	(Zip) T	able I - Non-D	erivative S	Securi	ties Ac	quired, Disposed	of, or Beneficia	lly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	e 2A. Deemed Execution Date, any (Month/Day/Ye	Code	4. Securi onAcquirec Disposec (Instr. 3,	l (A) of (D) 4 and (A) or))	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock	01/27/2005		G V	810	D	\$0	205,092	D			
Common Stock							41,388	I	Savings Plan Trust		
Reminder: Rep	oort on a separate line	for each class of s	ecurities benefi	cially own	ed dire	ectly or	indirectly.				
						•	ond to the colle		SEC 1474 (9-02)		

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	onNumber	Expiration D	ate	Amou	int of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
									Amount		
						Date	Expiration	Title	or Number		
						Exercisable	Date				
				C 1 W	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting owner runner runners	Director	10% Owner	Officer	Other			
WALTERMIRE THOMAS A POLYONE CENTER 33587 WALKER ROAD AVON LAKE, OH 44012	X		CEO and President				

Signatures

By: Wendy C. Shiba, Power of Attorney For: Thomas A. 02/11/2005 Waltermire

> **Signature of Reporting Person Date

Explanation of Responses:

- If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

The information in this report is based on a PolyOne Retirement Savings Plan statement dated as of December 31, 2004. PolyOne common shares are held in a unitized fund that consists of stock and cash. The number of shares and the amount of cash may fluctuate daily depending on plan level activity in the fund. Even though no transaction has occurred, this fluctuation may result in an increase or decrease in the number of shares held since the last report filed by the reporting person.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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