FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number: 3235-0287								
Estimated average burden								
hours per response:	0.5							

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

					2. Issuer Name and Ticker or Trading Symbol POLYONE CORP [POL]							(Che	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) (First) (Middle) POLYONE CENTER 33587 WALKER ROAD				3. Date of Earliest Transaction (Month/Day/Year) 01/05/2005							Officer below)	(give title			- 1			
(Street) AVON LA (City)		. 4	4012 Zip)	4. lf	Amer	ndment, D	ate of	Original Fil	led (Month/Day	/Year)	6. In Line	Form fi	led by One led by More	Repo	(Check Apporting Person	1	
1. Title of Security (Instr. 3) 2. Trans Date			ansaction	Execution Date,		3. Transacti Code (Ins	ion str.	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, r. 5)		l (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)			
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code				6. Date Exercisable and Expiration Date (Month/Day/Year)		•	7. Title and Amor of Securities Underlying Derivative Secur (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable		Expiration Date	Title	Amount or Number of Shares						
Stock Appreciation Right	\$8.94	01/05/2005		A		96,600		(1)	(01/04/2012	Common Stock	96,600	\$0	96,600)	D		

Explanation of Responses:

1. SARs are exercisable upon vesting. Vesting occurs when the market price of the PolyOne common stock reaches pre-determined levels for three consecutive days as follows: 1/3 vest at a market price of \$9.84 per share; an additional 1/3 vests at a market price of \$10.73 per share; and the remaining 1/3 vests at a market price of \$11.63 per share.

By: Wendy C. Shiba, Power of
Attorney For: Thomas A. 01/07/2005
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** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.