FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

Name and Address of Reporting Person* SHIBA WENDY C						2. Issuer Name and Ticker or Trading Symbol POLYONE CORP [POL]										eck all applic	cable)	g Pers	son(s) to Iss 10% Ov Other (s	vner	
(Last) (First) (Middle) POLYONE CENTER 33587 WALKER ROAD					3. Date of Earliest Transaction (Month/Day/Year) 12/05/2006										_	below) below) Sr Vice President, CLO & Sec'y					
(Street) AVON LAKE OH 44012					4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)) K Form f Form f	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(S		(Zip)			- 0-									e: . : . II						
1. Title of Security (Instr. 3)					2. Transaction Date (Month/Day/Year)			2A. Deemed Execution Date,			3. Transaction Code (Instr.				(A) or	5. Amou Securitie Beneficia Owned F	nt of s ally following	Form (D) o	n: Direct r Indirect estr. 4)	7. Nature of Indirect Beneficial Ownership	
										Code	v	Amount	(A) or (D)		Price	Reported Transact (Instr. 3 a	ion(s)			(Instr. 4)	
Common Stock					/05/2006					M		16,66	6	A	\$6	57,184			D		
Common Stock																6,0	062		I	Savings Plan Trust ⁽¹⁾	
		-	Table II -									sed of, onvertil				Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution I if any (Month/Day	Date,	4. Transacti Code (Ins 8)					6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported Transactie (Instr. 4)	e s lly	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Dar	ite ercisabl		xpiration ate	Title	O N O	lumber						
Incentive Stock Option (right to	\$6	12/05/2006			М			16,666	04	4/01/200€	5 0	4/01/2007	Comr Stoo		6,666	\$0	0		D		

Explanation of Responses:

1. The information in this report is based on a PolyOne Retirement Savings Plan statement dated as of September 30, 2006. 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.

Wendy C. Shiba

12/06/2006

** 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.