SMITH KENNETH M

Check this box

if no longer

Section 16.

Form 4 or

subject to

Form 4

March 27, 2012

FORM 4

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

OMB

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 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).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * SMITH KENNETH M

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(First)

POLYONE CORP [POL]

(Check all applicable)

POLYONE CENTER, 33587

(Street)

(Middle) 3. Date of Earliest Transaction (Month/Day/Year)

Director X_ Officer (give title below)

10% Owner _ Other (specify

03/26/2012

Sr VP, CIO & CHRO

WALKER ROAD

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

AVON LAKE, OH 44012

(City)	(State)	(Zip) Tab	ole I - Non-	Derivativ	e Secu	ırities Acqui	ired, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securionor Dispo (Instr. 3,	sed of 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	03/26/2012		M	1,066	A	\$ 6	122,116.799	D	
Common Stock	03/26/2012		S	1,066	D	\$ 14.5038 (1)	121,050.799	D	
Common Stock	03/26/2012		M	3,934	A	\$ 6	124,984.799	D	
Common Stock	03/26/2012		S	3,934	D	\$ 14.5038 (1)	121,050.799	D	
							16,710	I	

Common Savings
Stock Plan
Trust (2)

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

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SEC 1474

(9-02)

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)	4. Transactic Code (Instr. 8)	5. Number on f Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Non-Qualified Stock Option (right to buy)	\$ 6	03/26/2012		M	1,066	04/01/2006	04/01/2013	Common Stock	1,0
Non-Qualified Stock Option (right to buy)	\$ 6	03/26/2012		M	3,934	04/01/2006	04/01/2013	Common Stock	3,9

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting o where runner, requires	Director	10% Owner	Officer	Other			
SMITH KENNETH M							
POLYONE CENTER			Sr VP, CIO & CHRO				
33587 WALKER ROAD			Si vr, Clo & CHRO				

AVON LAKE, OH 44012

Signatures

By: Lisa K. Kunkle, Power of Attorney For: Kenneth M. 03/27/2012 Smith

**Signature of Reporting Person Date

Reporting Owners 2

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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 sale price is a weighted average for the sale transactions. The sales prices range from a low of \$14.50 per share to a high of \$14.51 (1) per share. Full information regarding the number of shares sold at each separate price is available upon request by the Commission staff, PolyOne Corporation, or a security holder of PolyOne Corporation.
- The information in this report is based on a PolyOne Retirement Savings Plan statement as of March 23, 2012. 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 occured, 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.