RADEMACHER MICHAEL L

Form 4

September 30, 2010

FORM 4

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

OMB 3235-0287 Number:

Form filed by More than One Reporting

Person

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

OMB APPROVAL

Form 4 or Form 5 obligations **SECURITIES**

Estimated average burden hours per response... 0.5

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)

1. Name and Address of Reporting Person * RADEMACHER MICHAEL L		2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
		POLYONE CORP [POL]	(Check all applicable)			
(Last) (First)	(Middle)	3. Date of Earliest Transaction				
		(Month/Day/Year)	Director 10% Owner			
POLYONE CENTER	2, 33587	09/29/2010	X Officer (give title Other (specify			
WALKER ROAD			below) below) SVP, President of Distribution			
			SVP, President of Distribution			
(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
		Filed(Month/Day/Year)	Applicable Line)			
			X Form filed by One Reporting Person			

AVON LAKE, OH 44012

(City)	(State)	(Zip) Tab	le I - Non-	Derivative	Secui	rities Acquir	red, 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. Transaction Code (Instr. 8)	4. Securition Disposi (Instr. 3, 4	ed of (` ′	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	09/29/2010		M	34,482	A	\$ 8.7	79,097	D	
Common Stock	09/29/2010		M	8,218	A	\$ 8.7	87,315	D	
Common Stock	09/29/2010		S	42,700	D	\$ 12.3833 (1)	44,615	D	
Common Stock							20,078	I	Savings Plan Trust (2)

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(e.g., puts, calls, warrants, options, convertible securities)

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

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 of orDerivative Securities Acquired (A) or Disposed o (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amou Underlying Secur (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Am or Nu of S
Incentive Stock Option (right to buy)	\$ 8.7	09/29/2010		M	34,482	02/28/2004	02/28/2011	Common Stock	34
Non-Qualified Stock Option (right to buy)	\$ 8.7	09/29/2010		M	8,218	02/28/2004	02/28/2011	Common Stock	8,

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

RADEMACHER MICHAEL L POLYONE CENTER 33587 WALKER ROAD AVON LAKE, OH 44012

SVP, President of Distribution

Signatures

By: Lisa K. Kunkle, Power of Attorney For: Michael L.

Rademacher 09/30/2010

**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 sales price is a weighted average for the transactions which took place on September 29, 2010. The sales prices range from a low of (1) \$12.27 per share to a high of \$12.46 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.

(2)

Reporting Owners 2

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The information in this report is based on a PolyOne Retirement Savings Plan statement as of September 29, 2010. 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.