POLYONE CORP Form 4 May 10, 2006

FORM 4

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

Check this box if no longer subject to Section 16.

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

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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

(Last)

1. Name and Address of Reporting Person * ROSENAU ROBERT M

(First)

(Middle)

2. Issuer Name and Ticker or Trading Symbol

POLYONE CORP [POL]

3. Date of Earliest Transaction (Month/Day/Year) 05/08/2006

POLYONE CENTER, 33587 WALKER ROAD

> (Street) 4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Director 10% Owner Other (specify _X__ Officer (give title below) VP & General Manager - Vinyl

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

AVON LAKE, OH 44012

(City)	(State) (Zip) Table	e I - Non-D	erivative S	Securi	ties Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Form: Direct I Beneficially (D) or I Owned Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	05/08/2006		M	12,828	A	\$ 6	31,398	D	
Common Stock	05/08/2006		S	12,828	D	\$ 9.15	18,570	D	
Common Stock	05/08/2006		M	9,900	A	\$6	28,470	D	
Common Stock	05/08/2006		S	9,100	D	\$ 9.15	19,370	D	
Common Stock	05/08/2006		S	500	D	\$ 9.16	18,870	D	

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Common Stock	05/08/2006	S	300	D \$	18,570	D	
Common Stock					8,897	I	Savings Plan Trust

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

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 control number.

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 of orDerivative Securities Acquired (A) or Disposed of (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)	\$ 6	05/08/2006		M	9,900	04/01/2006	03/31/2007	Common Stock	9,
Non-Qualified Stock Option (right to buy)	\$ 6	05/08/2006		M	12,828	04/01/2005	03/31/2013	Common Stock	12

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 0	Director	10% Owner	Officer	Other			
ROSENAU ROBERT M							
POLYONE CENTER			VD & Canaral Managar Vinyl				
33587 WALKER ROAD			VP & General Manager - Vinyl				
AVON LAKE, OH 44012							

Signatures

By: Wendy C. Shiba, Power of Attorney For: Robert M.
Rosenau 05/10/2006

**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 information in this report is based on a PolyOne Retirement Savings Plan statement dated as of March 31, 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.

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.