FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	VAL
	OMB Number:	3235-0287
l	Estimated average burd	en
l	hours per response:	0.5

	Check this box if no longer subject to
$\neg$	Section 16. Form 4 or Form 5
J	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

		*					ınd Tick	er or Trad	dina S	cymbol				5 Rela	tionshi	n of Reportin	a Persor	(s) to Is	suer	
	1. Name and Address of Reporting Person*  MOONEY EDWARD J						2. Issuer Name and Ticker or Trading Symbol POLYONE CORP [ POL ]									olicable) ctor	5	Person(s) to Issue		
Last) (First) (Middle) OLYONE CENTER						3. Date of Earliest Transaction (Month/Day/Year) 06/29/2007										Officer (give title below)			(specify	
33587 WALKER ROAD  (Street)  AVON LAKE OH 44012  (City) (State) (Zip)					4. If Amendment, Date of Original Filed (Month/Day/Year)										dividual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person					
			n-Deriv	ative	Sec	uritie	s Acc	uired,	Dist	oosed o	f, o	r Ben	efic	ially	Owne	ed				
1. Title of Security (Instr. 3) 2. Transac Date					ction 2A. Deemed Execution Date,			3. 4. Secu			ties A	cquired	I (A) c	) or 5. Am 4 and Secui Benet Owne		ount of ties cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
								Code	v	Amount		(A) or (D)	Pric	e	Transa	ction(s)			(111501.4)	
Common Stock 06/2				06/29/2007				A		2,146		A	\$7	7.28	17,072		I		Deferred Comp Plan	
Common Stock 06/29/					)/2007			A		1,717		A		\$0		18,789			Deferred Comp Plan	
	٦														vned					
	sion Date (Month/Day/Year) Execut if any (Month		Date, Tran		ansaction ode (Instr.		of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expiration Date (Month/Day/Yea		and 4)  Am or Nur		str. 3	Deriv Secu (Inst	erivative ecurity	derivative Securities Beneficially Owned Following Reported	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	n: ct (D) direct	Beneficial Ownership (Instr. 4)	
	AKE C  (S  ecurity (Ins  Stock  Conversior or Exercise Price of Derivative	ALKER ROAD  AKE OH  (State)  Take ecurity (Instr. 3)  Stock  Stock  Conversion of Exercise Price of Date (Month/Day/Year)	ALKER ROAD  AKE OH 44012  (State) (Zip)  Table I - Note the content of the conten	ALKER ROAD  AKE OH 44012  (State) (Zip)  Table I - Non-Derive ecurity (Instr. 3)  2. Transpate (Month/IIII)  Stock  Table II - Derivate (e.g., pto 12 price of Derivative Security  3. Transaction Date (Month/Day/Year)  3. Transaction Date (Month/Day/Year)  (Month/Day/Year)	ALKER ROAD  Table I - Non-Derivative ecurity (Instr. 3)  2. Transaction Date (Month/Day/Year)  Table II - Derivative S (e.g., puts, c  2. Conversion or Exercise Price of Derivative (Month/Day/Year)  Price of Derivative Price o	ALKER ROAD  Table I - Non-Derivative Security (Instr. 3)  Table II - Derivative Security (Instr. 3)  Table II - Derivative Security (e.g., puts, calls, fi any (Month/Day/Year)  Table II - Derivative Security (e.g., puts, calls, fi any (Month/Day/Year) (Month/Day/Year)  Table II - Derivative Security (e.g., puts, calls, fi any (Month/Day/Year) (Month/Day/Year)	ALKER ROAD  Table I - Non-Derivative Securities ecurity (Instr. 3)  Table II - Derivative Securities (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)  Table II - Derivative Securities (e.g., puts, calls, warr (Month/Day/Year)	AKE OH 44012  (State) (Zip)  Table I - Non-Derivative Securities Accurity (Instr. 3)  2. 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Transaction (e.g., puts, calls, warrants, options (e.g., puts, calls, warrants, options)  2. Correction Date (month/Day/Year)  3. Transaction Date (if any (Month/Day/Year))  4. Transaction Code (Instr. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  Date Date	ALKER ROAD  Table I - Non-Derivative Securities Acquired, Disponential Filed  1. If Amendment, Date of Original Filed  4. Transaction Date (Month/Day/Year)  6. Code   V    7. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants, options, code)  8. Stock  8. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants, options, code)  9. Code   V    1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  2. Transaction (e.g., puts, calls, warrants)  3. Transaction (e.g., puts, calls, warrants)  6. Date Exercise Expiration Date (e.g., puts, calls, warrants)  8. Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  9. Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  2. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  1. Table II - Derivative Securities Acquired, Disponent (e.g., puts, calls, warrants)  2. 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Transaction Date (Month/Day/Year) (Month/Day/Year)  Stock  06/29/2007  Table II - Derivative Securities Acquired, Disposed of (Instr. 8)  Code V Amount  Table II - Derivative Securities Acquired, Disposed of, or Exercise (e.g., puts, calls, warrants, options, convertible security  A 1,717  Table II - Derivative Securities Acquired, Disposed of, or Exercise (Month/Day/Year)  (Month/Day/Year)  A 1,717  Table II - Derivative Securities Acquired, Disposed of, or Exercise (Month/Day/Year)  Date Execution Date, if any (Month/Day/Year) (Month/Day/Year)  Security  Date Exercisable and Expiration Date (Month/Day/Year)  Security  Date Expiration	AKE OH 44012  (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Benerol (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  2. 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Transaction Date (Month/Day/Year)  (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  Stock  06/29/2007  A 2,146  A \$7.28  Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 3, 4 and Code (Instr. 8))  Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 3, 4 and Code (Instr. 8))  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ox (e.g., puts, calls, warrants, options, convertible securities)  2. Conversion Date Execution Date (B., puts, calls, warrants, options, convertible securities)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Ox (e.g., puts, calls, warrants, options, convertible securities)  3. Transaction Date Execution Date (B., puts, calls, warrants, options, convertible securities)  4. Stock  1. Transaction (A) or Disposed of, or Beneficially Ox (e.g., puts, calls, warrants, options, convertible securities)  2. Conversion Date Execution Date (B., puts, calls, warrants, options, convertible securities)  3. Transaction (D.) Price (D.) P	AKE OH 44012  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned (Month/Day/Year)  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  2. Transaction Date Execution Date, If any (Month/Day/Year)  (Month/Day/Year)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)  2. 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Transaction Date (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  Stock  06/29/2007  A 2,146  A \$7.28  17,072  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Office (Instr. 3, 4 and 4)  Stock  06/29/2007  A 1,717  A \$0  18,789  Tansaction (Onth/Day/Year)  A 1,717  A \$0  18,789  Tansaction Date (Le.g., puts, calls, warrants, options, convertible securities)  Corversion Date (Le.g., puts, calls, warrants, options, convertible securities)  Stock  Date (Month/Day/Year)  A 1,717  A \$0  18,789	AKE OH 44012  (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned Execution Date (Month/Day/Year)  (Month/Day/Year)   Code   V Amount (N)   Price (Noth)   Price (Noth)   Price (Noth)   Noth   Noth	AKE OH 44012  (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned Execution Date (Month/Day/Year) (Month/Day/Year)  (Month/Day/Year) (Month/Day/Year)  Stock  06/29/2007 A 1,717 A \$0 18,789 I  Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, corrections of exercise (Month/Day/Year) (Month/Day/Year) (Month/Day/Year)  (Month/Day/Year) (M	

Explanation of Responses:

By: W. David Wilson, Power of Attorney For: Edward J. Mooney

07/02/2007

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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.