Powell William Howard Form 4 September 19, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB 3235-0287

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Powell William Howard Issuer Symbol POLYONE CORP [POL] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner Officer (give title _ Other (specify POLYONE CENTER, 33587 09/14/2012 below) WALKER ROAD (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 Form filed by More than One Reporting **AVON LAKE, OH 44012**

| (City) | (State) | (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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. Securit onor Dispos (Instr. 3, 4 | ed of | | 5. Amount of Securities Beneficially Owned Following | 6. Ownership Form: Direct (D) or Indirect | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | | |
| | | | Code V | Amount | (A) or (D) | Price | Reported Transaction(s) (Instr. 3 and 4) | (I) (Instr. 4) | | | |
| Common Stock | 09/14/2012 | | S | 10,000 | D | \$ 17.13 (1) | 83,441.752 | D | | | |
| Common Stock | 09/17/2012 | | S | 10,000 | D | \$ 16.826 (2) | 73,441.752 | D | | | |
| Common Stock | 09/18/2012 | | S | 10,000 | D | \$ 16.838 (3) | 63,441.752 | D | | | |
| Common Stock | 07/06/2012 | | A V | 156 (4) | A | \$ 14.4624 | 45,795 | I | Deferred Comp Plan | | |

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 | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|-------------|------------|---------------|-----------------|--------------------|----------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transaction | orNumber | Expiration Da | ate | Amoun | it of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underly | ying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securit | ies | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. 3 | 3 and 4) | | Owne |
| | Security | | | | Acquired | | | | | | Follo |
| | - | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | A manust | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration Date | or Title Number | | | |
| | | | | | | Exercisable | | | | | |
| | | | | C 1 W | (A) (D) | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Powell William Howard POLYONE CENTER 33587 WALKER ROAD AVON LAKE, OH 44012

X

Signatures

By: Lisa K. Kunkle, Power of Attorney For: William H. Powell

**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 sale price is a weighted average for the sale transactions. The sale prices range from a low of \$17.05 per share to a high of \$17.19 per (1) share. Full information regarding the number of shares purchased at each separate price is available upon request by the Commission staff, PolyOne Corporation, or a security holder of PolyOne Corporation.

09/19/2012

- The sale price is a weighted average for the sale transactions. The sale prices range from a low of \$16.785 per share to a high of \$16.86 (2) per share. Full information regarding the number of shares purchased at each separate price is available upon request by the Commission staff, PolyOne Corporation, or a security holder of PolyOne Corporation.
- The sale price is a weighted average for the sale transactions. The sale prices range from a low of \$16.7618 per share to a high of \$16.88 (3) per share. Full information regarding the number of shares purchased at each separate price is available upon request by the Commission staff, PolyOne Corporation, or a security holder of PolyOne Corporation.

Reporting Owners 2

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(4) Shares acquired pursuant to a dividend reinvestment feature of the PolyOne Corporation Deferred Compensation Plan for Non-Employee Directors

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