Baert Bernard Form 4 February 16, 2012

FORM 4

subject to

Section 16.

Form 4 or

Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 Check this box if no longer

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

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

(Middle)

(Zip)

1(b).

(Last)

(City)

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * **Baert Bernard**

(First)

(Street)

(State)

2. Issuer Name and Ticker or Trading Symbol

POLYONE CORP [POL]

3. Date of Earliest Transaction

(Month/Day/Year) 02/14/2012

POLYONE CENTER, 33587 WALKER ROAD

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Issuer

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify below)

SVP, President Europe and SA

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

AVON LAKE, OH 44012

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year)

3. 4. Securities Execution Date, if Code (Month/Day/Year)

TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (T) (Instr. 4)

Ownership (Instr. 4)

Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

(A)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of 3. Transaction Date 3A. Deemed 4. 5. Number 6. Date Exercisable and 7. Title and Amount of Derivative Conversion (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date **Underlying Securities** Security or Exercise Code Securities (Month/Day/Year) (Instr. 3 and 4) any

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Derivative (A) or Security Disposed of (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Expiration Title Amount Exercisable Date or Number of Shares Stock

(Month/Day/Year) (Instr. 8) Acquired

Appreciation Rights

(Instr. 3)

\$ 14.61

Price of

Common (1) 02/14/2022 A 5,600 Stock

5,600

Reporting Owners

Relationships Reporting Owner Name / Address

02/14/2012

10% Owner Officer Other Director

Baert Bernard POLYONE CENTER 33587 WALKER ROAD **AVON LAKE, OH 44012**

SVP, President Europe and SA

Signatures

By: Lisa K. Kunkle, Power of Attorney For: Bernard Baert

02/16/2012

**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).

SARs become exercisable and vest one-third on the attainment of 10%, 15% and 20% stock appreciation (which must be maintained for a (1) minimum of thirty consecutive trading days) from the grant date closing price of \$14.61 per share, with no more than one-third vesting per year during the first three years.

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.

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