(Last)

(Street)

(City)

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Phantom

Stock

ALLENTOWN

FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

vvasiniigtori,	D.C.	20040	

**OMB APPROVAL** 

	OMB Number:	3235-0287
	Estimated average burd	en
-	hours per response.	0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b)

1. Name and Address of Reporting Person\*

(First)

PA

(State)

(Middle)

18195

(Zip)

DONAHUE MICHAEL J

7201 HAMILTON BOULEVARD

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940 2. Issuer Name and Ticker or Trading Symbol 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) **AIR PRODUCTS & CHEMICALS INC** Director 10% Owner /DE/ [ APD ] Officer (give title Other (specify below) below) 3. Date of Earliest Transaction (Month/Day/Year) 01/26/2012 4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person Form filed by More than One Reporting

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
1. Title of Security (Instr. 3)			Date	th/Day/Year)	2A. Deemed Execution Date if any (Month/Day/Yea	Code	Transaction Disposed Code (Instr. 5)		ies Acquired (A) or Of (D) (Instr. 3, 4 and		5. Amount of Securities Beneficially Owned Following Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
						Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)				,
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. Transaction Code (Instr. 8)	of E	s. Date Exercisable a Expiration Date Month/Day/Year)			Amount of Securities		8. Price of Derivative Security (Instr. 5) Benefit Owned Follow Report		e S Ily	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)

## **Explanation of Responses:**

\$0.0000(1)

- 1. Not applicable to this security
- 2. These units are payable in the form of shares of common Stock equal in number to the units, at the time elected by the reporting person, which is generally after service on the issuer's Board of Directors ends. Units may be paid in a lump sum or up to ten installments as elected by the reporting person in advance.

Date

Exercisable

08/08/1988(2)

(D)

Expiration Date

08/08/1988(2)

Title

Common

Stock

Linda M. Svoboda as Attorney 01/27/2012 in Fact

\*\* Signature of Reporting Person

Amount or Number

Shares

1,362

\$88.16

Date

Reported Transaction(s) (Instr. 4)

23,141.2521

D

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

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

01/26/2012

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Code ν

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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.

of (D) (Instr. 3, 4 and 5)

(A)

1.362