DONAHUE MICHAEL J

Form 4

January 30, 2006

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

0.5

January 31, Expires:

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Check this box if no longer subject to Section 16. Form 4 or

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)

1(b).

(Last)

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(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

DONAHUE MICHAEL J

(First)

(Street)

Symbol AIR PRODUCTS & CHEMICALS

(Check all applicable)

Officer (give title

INC /DE/ [APD]

X_ Director 10% Owner

Other (specify

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

01/26/2006

7201 HAMILTON BOULEVARD

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

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

(Instr. 4)

Person

below)

ALLENTOWN, PA 18195

(City) (State) (Zip)

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I)

(Instr. 4)

(A)

Following Reported Transaction(s) (Instr. 3 and 4)

or Code V Amount (D) Price

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 Derivative (Month/Day/Year) Execution Date, if Conversion Security or Exercise any

5. Number 6. Date Exercisable and Expiration Transaction of Derivative Date (Month/Day/Year) Code Securities

7. Title and Amount Underlying Securitie (Instr. 3 and 4)

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(Instr. 3) Price of Derivative Security (Month/Day/Year) (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)

Code V (A) (D) Date Exercisable Expiration Date

Amou

or Numb

of Share:

1,62

Phantom Stock 01/26/2006 A 1,629 $08/08/1988^{(2)}$ $08/08/1988^{(2)}$ Common Stock

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

DONAHUE MICHAEL J

7201 HAMILTON BOULEVARD X ALLENTOWN, PA 18195

Signatures

By: Linda M. Svoboda as Attorney o1/30/2006 in Fact

**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).
- (1) Not applicable to this security.
- (2) These units are generally payable in the form of shares of Common Stock equal in number to the units, after the reporting person's service on the issuer's Board of Directors ends, in a lump sum or up to ten installments as elected by the reporting person in advance.

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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