SMITH LAWRENCE S

Form 4 April 02, 2007

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16. Form 4 or

> Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Last)

1.Title of

Security

(Instr. 3)

Form 5

obligations

may continue.

See Instruction

(Print or Type Responses)

1. Name and Address of Reporting Person * SMITH LAWRENCE S

(First)

2. Issuer Name and Ticker or Trading

Symbol

AIR PRODUCTS & CHEMICALS

INC /DE/ [APD]

3. Date of Earliest Transaction

(Month/Day/Year) 03/31/2007

7201 HAMILTON BOULEVARD (Street)

(Middle)

4. If Amendment, Date Original

Filed(Month/Day/Year)

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

Issuer

below)

X Director

Officer (give title

ALLENTOWN, PA 18195

(City) (State) (Zip)

(Month/Day/Year)

2. Transaction Date 2A. Deemed

3. Execution Date, if TransactionAcquired (A) or Code

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

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

4. Securities

Beneficially Owned Following Reported Transaction(s)

(Instr. 3 and 4)

5. Amount of

Securities

Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

6. Ownership

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

6. Individual or Joint/Group Filing(Check

(Check all applicable)

10% Owner

Other (specify

7. Nature of

Estimated average

burden hours per

(A) 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 5. Number of 6. Date Exercisable and Expiration TransactionDerivative Derivative Conversion (Month/Day/Year) Execution Date, if Date (Month/Day/Year) Security or Exercise Code Securities any

7. Title and Amou Underlying Securi (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

Amo or Num

of Sl

420

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SMITH LAWRENCE S
7201 HAMILTON BOULEVARD X
ALLENTOWN, PA 18195

Signatures

By: Linda M. Svoboda as Attorny in Fact

04/02/2007

Date

**Signature of Reporting Person

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).
- Phantom deferred stock units (Units) acquired under the Air Products Stock Account of the issuer's Deferred Compensation Program for Directors, of the Company's Long-Term Incentive Plan (the Plan). Under the Plan, all non-employee directors are credited with Units for the portion of their Board retainer required to be received in this form and they are permitted to defer receiving payment of all or a portion of the remainder of their Board and Committee retainers and meeting fees.
- (2) Not applicable to this security.
- (3) 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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