## FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

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

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person*     SMITH LAWRENCE S						2. Issuer Name <b>and</b> Ticker or Trading Symbol AIR PRODUCTS & CHEMICALS INC /DE/								Check	all applicab		Person	(s) to Issuer	
(Last) (First) (Middle)					[ APD ]									X	Officer (g below)	ive title		10% Owr Other (sp below)	
7201 HAMILTON BOULEVARD						3. Date of Earliest Transaction (Month/Day/Year) 12/31/2005													
(Street) ALLENTOWN PA 18195					4. If Amendment, Date of Original Filed (Month/Day/Year)								6	Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person					
(City)	y) (State) (Zip)																		
		•	Table I - Non-	Deriva	tive S	Securiti	es A	cqu	ired, D	isp	osed of,	or Ben	eficia	lly O	wned				
D D					2. Transaction Date Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Yea		e, Transaction Disp Code (Instr.		4. Securitie Disposed (	curities Acquired (A) o sed Of (D) (Instr. 3, 4		nd 5) Securities Beneficially Following		Form:		Direct Ir Indirect B str. 4)	'. Nature of ndirect Beneficial Ownership
									Code	<b>/</b>	Amount	(A) or (D) Pri		e	Reported Transaction(s) (Instr. 3 and 4)			"	nstr. 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. Transa Code ( 8)		Derivative Securities Acquired or Dispos	Securities Acquired (A) or Disposed of (D) (Instr. 3,		6. Date Exercisa Expiration Date (Month/Day/Year		e and	7. Title and Ame Securities Unde Derivative Secu (Instr. 3 and 4)		/ing	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exer	cisable	Exp Dat	oiration te	Title	Amour Numbe Shares	er of		(Instr. 4)			
Phantom Stock <sup>(1)</sup>	(2)	12/31/2005		A		326.3597		08/08	8/1988 <sup>(3)</sup>	08/	08/1988 <sup>(3)</sup>	Common Stock	326.3	597	\$60.06	3,762.3	3841	D	

## **Explanation of Responses:**

- 1. 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.

By: Linda M. Svoboda as Attorny in Fact \*\* Signature of Reporting Person

01/03/2006

Date

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

- $^{\star}$  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).

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.