Instruction 1(b)

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL						
OMB Number:	3235-0287					
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ed pursuant to Se	ection 16(a) of the	Securities E	xchange Act of	1934
or Section 30	D(h) of the Investn	nent Compan	y Act of 1940	

						ction 30(h) of the												
1. Name and Address of Reporting Person* <u>SMITH LAWRENCE S</u>						2. Issuer Name and Ticker or Trading Symbol <u>AIR PRODUCTS & CHEMICALS INC /DE/</u> [APD]								5. Relationship of Reporting Person(s) to Iss (Check all applicable) X Director 10%				suer Owner
(Last) 7201 HA		First) BOULEVARD	(Middle)	3.	3. Date of Earliest Transaction (Month/Day/Year) 12/31/2006							-	Officer (g below)	ive title		Other (sp below)	ecify	
(Street) ALLEN	TOWN	?A	18195	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Indiv X	6. Individual or Joint/Group Filing (Check / X Form filed by One Reporting Per Form filed by More than One Re			ing Person	,		
(City)		State)	(Zip)													3		
			Table I - Nor	n-Derivati	ive S	ecurities Ac	cqui	red,	Disp	osed of	i, or	Bene	ficially C	Owned				
1. Title of	Security (Ins	str. 3)		2. Transacti Date (Month/Day/	-	2A. Deemed Execution Date if any (Month/Day/Yea	e, 1	3. Transa Code (I B)			Gecurities Acquired (A) o posed Of (D) (Instr. 3, 4 a			Beneficially Owned Following				7. Nature of Indirect Beneficial Ownership
							C	Code	v	Amount		(A) or (D)	Price	 Reported Transaction(s) (Instr. 3 and 4) 				(Instr. 4)
						curities Acq IIs, warrants							-	vned				
1. Title of	2.	3. Transaction	3A. Deemed	4.			6. Date Exercisable and 7. Title and An						8. Price of			10.	11. Natur	

Se	erivative ecurity 1str. 3)	Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Code (nsaction Derivative Expiration Date le (Instr. Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)					Derivative Security (Instr. 5)	Securities Beneficially Owned Following Reported		of Indirect Beneficial Ownership (Instr. 4)			
					Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)			
	nantom ock ⁽¹⁾	(2)	12/31/2006		A		289.2221		08/08/1988 ⁽³⁾	08/08/1988 ⁽³⁾	Common Stock	289.2221	\$71.53	6,720.4343	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	01/0
<u>Attorny in Fact</u>	01/0.

** Signature of Reporting Person

2/2007

Date

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).

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

File

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.