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					
Estimated average burden						
hours per response:	0.5					

ed pursuant to Secti	on 16(a) of the	Securities Ex	change Act o	of 1934
or Section 30(h)) of the Investn	nent Company	/ Act of 1940	

				or Sec	tion 30(h) of the In	vestmer	nt Com	npany Act of 19	940					
1. Name and Address of Reporting Person* DONAHUE MICHAEL J				2. Issuer Name and Ticker or Trading Symbol AIR PRODUCTS & CHEMICALS INC /DE/							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner			
(Last)	(First)	(Middle)		[APD]						Officer (give title below)		(specify		
7201 HAMILTON	N BOULEVARD			3. Date of Earliest Transaction (Month/Day/Year) 12/31/2006										
(Street) ALLENTOWN	PA	18195		4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Indi X	Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)									T offit filed by More		rang r croon	
		Table I - Noi	n-Deriv	ative S	ecurities Acq	uired,	Disp	oosed of, o	r Bene	ficially C)wned			
Date			action Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)					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 -	Deriva	tive Se	curities Acqui	red, D	ispo	sed of, or	Benefi	cially Ov	vned			

(e.g., puts, calls, warrants, options, convertible securities)

2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code (Derivative Securities Acquired or Dispose	(A) ed	6. Date Exercisable and Expiration Date (Month/Day/Year)		ion Date Securities Underly		8. Price of Derivative Security (Instr. 5)	derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)		
(2)	12/31/2006		Α		146.6065		08/08/1988 ⁽³⁾	08/08/1988 ⁽³⁾	Common Stock	146.6065	\$71.53	12,605.5252	D	
	or Exercise Price of Derivative Security	Conversion or Exercise Price of Derivative Security	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year)	Conversion or Exercise (Month/Day/Year) Month/Day/Year) Execution Date, if any (Month/Day/Year) Price of Derivative Security Code (Month/Day/Year) Code (Month/Day/Year)	Conversion or Exercise Price of Date (Month/Day/Year) Price of Derivative Security Code (Instr. 8)	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 8) Derivative Securities Acquired or Disposion of (D) (Inst 4 and 5) Month/Day/Year) Image: Code (Instr. 8) Code (Instr. 8) Derivative Securities Acquired 4 and 5)	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) V (A) (D)	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 8) Derivative Securities of (D) (Instr. 3, 4 and 5) Expiration Date (Month/Day/Year) Derivative Security Expiration Date (Month/Day/Year) Transaction Code (Instr. 8) Derivative Security Expiration Date (Month/Day/Year) Code V (A) (D) Date Exercisable	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) Expiration Date (Month/Day/Year) Derivative Security Code (Instr. 8) V (A) (D) Date Expiration Date (Month/Day/Year)	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3) Expiration Date (Month/Day/Year) Securities Derivative (Instr. 3 ar (2) 12/31/2006 A 146.6055 Derivative Security Derivative (Instr. 3) Common Code Common	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 8) Derivative Securities of (D) (Instr. 3, 4 and 5) Expiration Date (Month/Day/Year) Securities Underlying Derivative Security (Instr. 3 and 4) Price of Derivative Security Perivative Securities of (D) (Instr. 3, 4 and 5) Expiration Date (Month/Day/Year) Securities Underlying Derivative Security (Instr. 3 and 4) (2) 12/31/2006 Perivative And Securities (Instr. 3 and 4) Derivative Securities (Instr. 3 and 4) Derivative Securities of (D) (Instr. 3, 4 and 5) Derivative Securities (Instr. 3 and 4) Securities Underlying Derivative Security (Instr. 3 and 4)	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3) Expiration Date (Month/Day/Year) Securities Underlying Derivative Security (Instr. 3) Derivative Security (Instr. 3) (2) 12/31/2006 A (A) (D) Date (A) Expiration Date (Month/Day/Year) Securities Underlying Derivative Security (Instr. 3) Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year) Transaction trans (Month/Day/Year) Derivative Securities (Nonth/Day/Year) Expiration Date (Month/Day/Year) Securities Underlying Derivative Security (Instr. 3 and 4) Derivative Securities (Instr. 3) Derivative Securities (Instr. 4) Derivative Securities (Instr. 3) Derivative Securities (Instr. 4) (2) 12/31/2006 A A 146 6065 0e/0e/upeg/3 common (Instr. 4) Common (Instr. 4) 146 6065 572 572	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

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.

<u>By: Linda M. Svoboda as</u>	01/0		
<u>Attorney in Fact</u>	<u>01/0</u>		
** Signature of Reporting Person	Date		

/02/2007

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.