FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

l	OMB APPROVAL									
l	OMB Number:	3235-0287								
l	Estimated average burde	n								
	hours per response:	0.5								

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

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

1. Name and Address of Reporting Person* <u>SMITH LAWRENCE S</u>					2. Issuer Name and Ticker or Trading Symbol AIR PRODUCTS & CHEMICALS INC /DE/ [APD]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
				- 17								X	Director		10% Owner		ner	
(Lact)	/[Firet)	(Middle)	_ [_	Officer (give title	Other (spec		ecify		
(Last) (First) (Middle) 7201 HAMILTON BOULEVARD					3. Date of Earliest Transaction (Month/Day/Year) 09/30/2013								,					
(Street)				_ 4	4. If Amendment, Date of Original Filed (Month/Day/Year)						Line)	'						
ALLEN	FOWN P	Α	18195									X		ed by One F	•	Ü		
(City)	(2)	State)	(Zip)									Form filed by More than One Reporting Person				ng		
		Ta	able I - Non-D	erivat	ive S	ecuritie	es Ac	quired, I	Disp	osed of	, or Ben	eficially	Owned					
Date					action 2A. Deemed Execution Date, if any (Month/Day/Year)		Code (Instr.				5. Amount Securities Beneficial Owned Fo	Form (D) o		n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership			
								Code	v	Amount	(A) or (D)	Price	Reported Transactio (Instr. 3 ar	saction(s)			(Instr. 4)	
			Table II - De (e.ç					uired, Di s, options					wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year	Code (Instr.		Derivative E		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	у	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
				Code	v	(A)		Date Exercisable		iration	Title	Amount or Number of Shares		(Instr. 4)				
Phantom Stock ⁽¹⁾	\$0.0000 ⁽²⁾	09/30/2013		A		150.814		08/08/1988	08/0	08/1988 ⁽³⁾	Common Stock	150.814	\$109.78	23,469.61	.09	D		

- 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).
- 2. Not applicable to this security
- 3. These units are payable in the form of shares of common Stock equal in number to the units, at the time elected by the reporting person, which is generally after service on the issuer's Board of Directors ends. Units may be paid in a lump sum or up to ten installments as elected by the reporting person in advance.

Linda M. Svoboda as Attorney in Fact

09/30/2013

** Signature of Reporting Person

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).

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.