FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washingto

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

on, D.C. 20549	
, 5.0. 200.0	OMB APPE

	OMB APPROVAL									
	OMB Number:	3235-0287								
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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)

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* SMITH LAWRENCE S					AIR PRODUCTS & CHÉMICALS INC /DE/										Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner						
(Last)	`	First)	(Middle)		[APD]									- "	Officer (g below)	ive title	Other (spe below)				
7201 HAMILTON BOULEVARD					3. Date of Earliest Transaction (Month/Day/Year) 12/31/2012																
(Street) ALLENTOWN PA 18195					4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv	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)											roilli illet	led by More than One		пе керопп	ig Person			
			Table I - Non-l	Deriva	tive \$	Securiti	es A	cqu	iired, C	Disp	osed of	, or Ber	nefic	cially O	wned						
Date			. Transa ate Month/D		2A. Deemed Execution Dat if any (Month/Day/Ye		"		4. Securities Acc Disposed Of (D)		es Acquire Of (D) (Insi	s Acquired (A) or f (D) (Instr. 3, 4 an		Beneficially Following		6. Owne Form: D (D) or In (I) (Instr	Direct In Indirect B (.4) C	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
								Code	v	Amount	ount (A) or (D)		Price	Reported Transaction(s) (Instr. 3 and 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		3A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr. r) 8)		Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)				7. Title and Amount Securities Underlyi Derivative Security (Instr. 3 and 4)		derlying curity	ying Derivative		er of ve es ally ig d	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exer	e rcisable	Ex Da	piration te	Title	Nu	nount or mber of ares		Transaction(s) (Instr. 4)					
Phantom Stock ⁽¹⁾	\$0.0000 ⁽²⁾	12/31/2012		A		159.6223		08/0	8/1988 ⁽³⁾	08/	/08/1988 ⁽³⁾	Common Stock	15	9.6223	\$84.8	21,626.	4123	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).
- 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

01/02/2013

** 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.