FORM	4
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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden

0.5

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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).
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

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1. Name and Address of Reporting Person* SMITH LAWRENCE S (Last) (First)						2. Issuer Name and Ticker or Trading Symbol AIR PRODUCTS & CHEMICALS INC /DE/ [APD]							eck all applic X Directo	tionship of Reporting all applicable) Director Officer (give title below)		on(s) to Iss 10% Ov Other (: below)	wner (specify
7201 HAMILTON BOULEVARD						3. Date of Earliest Transaction (Month/Day/Year) 01/26/2012							,			,	
(Street) ALLENTOWN PA 18195 (City) (State) (Zip)						endment, Dat	e of C	Driginal	Filed	(Month/Day	/Year)	Line	X Form f	led by One led by Mo	e Repo	(Check Ap rting Perso One Repo	n
		Та	ble I - Noi	n-Deriv	ative Se	ecurities A	Acqu	uired,	Disp	oosed of	, or Ber	eficiall	y Owned				
1. Title of	1. Title of Security (Instr. 3) 2. Transi Date (Month/L				action Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)		te, Transaction Dis Code (Instr. 5)		4. Securitie Disposed (5)			5. Amour Securitie Beneficia Owned F Reported	es Forr ially (D) (Following (I) (I		Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership
								Code	v	Amount	(A) or (D)	Price	Transact (Instr. 3 a	on(s)			(Instr. 4)
						urities Ac ls, warran							Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution D if any (Month/Day/	C(ansaction ode (Instr.	5. Number of Derivative Securities Acquired	Expi	ate Exer iration E nth/Day/	Date	e and	7. Title an Amount o Securities Underlyin Derivative	f g	8. Price of Derivative Security (Instr. 5)	9. Numbe derivativ Securitie Beneficia Owned	e es ally	10. Ownership Form: Direct (D) or Indirect	Beneficial Ownershi

1. Title of Security (Instr. 3)			3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)

			(e.g.	, puis	, Call	s, wa	IIaII	its, options	, convertib	ie secui	illes)				
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)		of		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) (Instr. 4)	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				
Phantom Stock	\$0.0000 ⁽¹⁾	01/26/2012		Α		1,362		08/08/1988 ⁽²⁾	08/08/1988 ⁽²⁾	Common Stock	1,362	\$88.16	21,000.4044	D	

Explanation of Responses:

1. Not applicable to this security

2. 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 01/27/2012

in Fact

** 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.