FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

1	OMB APPROVAL									
	OMB Number:	3235-0287								
	Estimated average burden									
	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* CARTER SUSAN K						2. Issuer Name and Ticker or Trading Symbol AIR PRODUCTS & CHEMICALS INC /DE/ [APD]								(Ch	eck all app X Direc	icable) or		10% Ov	vner
(Last) (First) (Middle) 7201 HAMILTON BOULEVARD						3. Date of Earliest Transaction (Month/Day/Year) 01/26/2012										Officer (give title below)		Other (s below)	респу
(Street) ALLENTOWN PA 18195					4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								Line	ndividual or Joint/Group Filing (Check Applicable e) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(S	itate)	(Zip)												Feis	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		Tal	ble I - Nor	ı-Deriv	/ativ	re Se	curiti	es A	Acqu	uired, D	Disp	osed of	, or Ben	eficiall	y Owne	t e			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da						Execution Date				Code (Instr. 5)			l (A) or . 3, 4 and	or 5. Amour 4 and Securitie: Beneficia Owned Fr Reported		Form (D) o	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
										Code	v	Amount	(A) or (D)	Price	Transa (Instr. 3	tion(s)			(iiisu. 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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any (Month/Day/	c	ransac Code (li		of		Exp	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)		ve es ially ng ed etion(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				C	Code	v	(A)	(D)	Date Exe	e rcisable	Ex Da	piration tte	Title	Amount or Number of Shares					
Phantom Stock	\$0.0000(1)	01/26/2012			A		1,362		08/0)8/1988 ⁽²⁾	08	/08/1988 ⁽²⁾	Common Stock	1,362	\$88.16	2,432.	2551	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.