FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Washington, D.C. 20549

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	OMB APPROVAL
	II OMBAIT NOWE

OMB Number:	3235-0287
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ha	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 Sec	tion 30(h) of the Inv	estmen/	t Com	pany Act of 19	40						
Name and Address of Reporting Person*				2. Issuer Name and Ticker or Trading Symbol AIR PRODUCTS & CHEMICALS INC /DE/							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
<u>OONAHUE M</u>	IICHAEL J			[APD]							Director	10% Owner			
Last)	ast) (First) (Middle)			[MD]							Officer (give title below)	Other (specify below)			
201 HAMILTON BOULEVARD				3. Date of Earliest Transaction (Month/Day/Year) 06/29/2012											
Street) ALLENTOWN	PA	18195		4. If Amendment, Date of Original Filed (Month/Day/Year)					6. Indiv	,					
City)	(State)	(Zip)	,								Form filed by More	than One Repo	rting Person		
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
Date				action 2A. Deemed Execution Date, if any (Month/Day/Year)				4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4			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)		(111301.4)		
•	•	Table II -	Derivat	ive Sec	urities Acqui	red D	ienn	sed of or l	Renefic	vially Ov	med	•			

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

	(e.g., purs, cans, 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 Date, if any (Month/Day/Year)	4. Transa Code (8)		Derivative		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)	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)		
Phantom Stock ⁽¹⁾	\$0.0000 ⁽²⁾	06/29/2012		Α		194.6152		08/08/1988 ⁽³⁾	08/08/1988 ⁽³⁾	Common Stock	194.6152	\$76.56	23,475.4624	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

<u>07/02/2012</u>

** 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.