SEC Form 4

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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden 0.5 hours per response:

1. Name and Addres FORD W DO	s of Reporting Person [®] UGLAS		2. Issuer Name and Ticker or Trading Symbol <u>AIR PRODUCTS & CHEMICALS INC</u> / <u>DE/</u> [APD]		tionship of Reporting Persor all applicable) Director Officer (give title	10% Owner Other (specify
(Last) (First) (Middle) 7201 HAMILTON BOULEVARD		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/31/2010		below)	below)
(Street) ALLENTOWN (City)	PA (State)	18195 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	idual or Joint/Group Filing ((Form filed by One Report Form filed by More than C Person	ing Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)			4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative 2. 3. Transaction 3A. Deemed 4. 5. Derivative Conversion Date Execution Date Transaction Date Date Date Date Date <										7. Title and Amount of Securities		8. Price of Derivative	9. Number of derivative	10. Ownership	11. Nature of Indirect
Security (Instr. 3)	or Exercise Price of Derivative Security	(Month/Day/Year)	if any (Month/Day/Year)	Code (8)				(Month/Day/Year)		Underlying Derivative Security (Instr. 3 and 4)		Security (Instr. 5)	Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Phantom Stock ⁽¹⁾	\$0.0000 ⁽²⁾	12/31/2010		Α		380.93		08/08/1988 ⁽³⁾	08/08/1988 ⁽³⁾	Common Stock	380.93	\$91.25	20,809.2104	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

01/03/2011

** 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.