FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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l	UMB APPRO	VAL			
l	OMB Number:	3235-0287			
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l	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*  NOSKI CHARLES H			-	2. Issuer Name and Ticker or Trading Symbol AIR PRODUCTS & CHEMICALS INC /DE/ [ APD ]						E/ (Ched	Relationship of Reporting Per (Check all applicable)     X Director			10% Ow	ner		
(Last) 7201 HA	`	First)  BOULEVARD	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 03/31/2010							Officer (g below)	give title		Other (specify below)		
(Street) ALLENT		A State)	18195 (Zip)	_	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						
Table I - Non-Derivativ  1. Title of Security (Instr. 3)  2. Transactio Date					ative Securities Acquired, Disposed of, or Beneficiation  2A. Deemed				(A) or	or 5. Amount of				. Nature of			
(Month			Ionth/Da	Day/Year) if any (Month/Day/Ye		Day/Yea	Code (III	nstr. V	(4) or		Price	Reported Transactio	wned Following (I) (II		str. 4) O	eneficial wnership nstr. 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/Ye			3A. Deemed Execution Date, if any (Month/Day/Year)	Code	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		e ( s (A) sed str.	Expiration Date of (Month/Day/Year) U		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	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)		Date Exercisable		opiration ate	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)			
Phantom Stock <sup>(1)</sup>	(2)	03/31/2010		A		522.653		08/08/1988 <sup>(3</sup>	08	3/08/1988 <sup>(3)</sup>	Common Stock	522.653	\$0	15,293.	2056	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).
- 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.

## Remarks:

Linda M. Svoboda as Attorney

in Fact

\*\* Signature of Reporting Person

Date

04/01/2010

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.