Instruction 1(b).

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Machinaton	$D \subset$	20540	
Washington,	D.C.	20549	

wasnington, D.C. 20549	

Check this box if no longer subject to	STATEMENT OF CHANGES IN BENEFICIAL	OWNERSHIP
Section 16. Form 4 or Form 5		
obligations may continue. See		

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Crocco Michael S (Last) (First) (Middle) 7201 HAMILTON BOULEVARD							2. Issuer Name and Ticker or Trading Symbol AIR PRODUCTS & CHEMICALS INC /DE/ [APD] 3. Date of Earliest Transaction (Month/Day/Year) 12/01/2009									eck all ap Dire Offic	attonship of Reporting Person c all applicable) Director Officer (give title below) V.P. and Contro				10% Owner Other (specify below)		
(Street) ALLENT	TOWN I	State)	18195 (Zip)			4. If Amendment, Date of Original Filed (Month/Day/Year)								Line	Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person								
Date				2. Trans	action				e, Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3,			(A) or) or 5. Amou 4 and Securitie Beneficia		nt of 6. C es For ally (D) Following (I) (I		: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
Common Stock 1					1/200	/2009			Code	V	Amount 508	1)	A) or D)	Price \$0	Transaction(s) (Instr. 3 and 4)		nd 4)	D		(IIISU: 4)			
Common				12/0	1,200								\dagger			2	2,481.41				By RSP		
			Table II -									sed of, onvertil				Owne	d			,			
1. Title of Derivative Security (Instr. 3)	2. Conversior or Exercise Price of Derivative Security		3A. Deeme Execution if any (Month/Day	Date,	4. Transaction Code (Instr. B)				6. Date Exercisal Expiration Date (Month/Day/Year)				7. Title and Amount of Securities Underlying Derivative Sec (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	ve	9. Number derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	e S Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Dat Exe	e ercisable		expiration Date	Title	O N	Amount or Number of Shares	1							
Stock Option (Right to Buy) ⁽¹⁾	\$83.6	12/01/2009			A		4,149		08/0	08/1988 ⁽²	2) 1	2/01/2019	Comn		4,149	\$0		4,149)	D			

Explanation of Responses:

- 1. Employee Stock Options granted under the issuer's Long-Term Incentive Plan.
- 2. These options become exercisable in one-third increments on the first three anniversaries of grant.

Remarks:

Linda M. Svoboda as Attorney

12/02/2009

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.