

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>ROSPUT PAULA G</u> (Last) (First) (Middle) <u>7201 HAMILTON BOULEVARD</u> (Street) <u>ALLENTOWN PA 18195</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>AIR PRODUCTS & CHEMICALS INC</u> <u>/DE/ [APD]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>08/23/2004</u>	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting 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)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	08/23/2004		M		2,000	A	\$37.59	2,050	D	
Common Stock	08/23/2004		M		2,000	A	\$45.91	4,050	D	
Common Stock	08/23/2004		M		2,000	A	\$41.96	6,050	D	
Common Stock	08/23/2004		M		2,000	A	\$49.68	8,050	D	
Common Stock	08/23/2004		S		8,000	D	\$52.51	50	D	

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 Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		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) (Instr. 4)	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
01 Director Options ⁽¹⁾	\$37.59	08/23/2004		M			2,000	07/25/2001	01/26/2011 ⁽²⁾	Common Stock	2,000	\$0	0.0000	D	
02 Director Options ⁽¹⁾	\$45.91	08/23/2004		M			2,000	07/24/2002	01/25/2012 ⁽³⁾	Common Stock	2,000	\$0	0.0000	D	
03 Director Options ⁽¹⁾	\$41.96	08/23/2004		M			2,000	07/23/2003	01/24/2013 ⁽⁴⁾	Common Stock	2,000	\$0	0.0000	D	
04 Director Options ⁽⁵⁾	\$49.68	08/23/2004		M			2,000	07/22/2004	01/23/2014 ⁽⁶⁾	Common Stock	2,000	\$0	0.0000	D	

Explanation of Responses:

- Stock Options granted under the issuer's Stock Option Plan for Directors
- The options expire the earlier of (i) 1/26/11 and (ii) the date as of which the director ceases to serve as a member of the Board of Directors of the issuer before serving six full years (other than due to his or her death or disability).
- The options expire the earlier of (i) 1/25/12 and (ii) the date as of which the director ceases to serve as a member of the Board of Directors of the issuer before serving six full years (other than due to his or her death or disability).
- The options expire the earlier of (i) 1/24/13 and (ii) the date as of which the director ceases to serve as a member of the Board of Directors of the issuer before serving six full years (other than due to his or her death or disability).
- Director Stock Options granted under the issuer's Stock Option Program for Directors of the Company's Long-Term Incentive Plan.
- The Options expire the earlier of (i) 1/23/2014 and (ii) the date as of which the director ceases to serve as a member of the Board of Directors of the issuer before serving six full years (other than due to his or her death or disability).

Remarks:

By: Linda M. Svoboda as 08/23/2004
Attorney in Fact Date

** 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.