SEC Form 4

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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*	2. Issuer Name **and** Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
HUCK PAUL E	AIR PRODUCTS & CHEMICALS INC /DE/ [APD]	Director 10% Owner
(Last) (First) (Middle)	3. Date of Earliest Transaction (Month/Day/Year) 09/30/2011	X Officer (give title below) Other (specify below)
7201 HAMILTON BOULEVARD		Sr. V.P. CFO
(Street)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)
ALLENTOWN PA 18195		X Form filed by One Reporting Person
(City) (State) (Zip)		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	09/30/2011		M		29,000	A	$38.02	98,544	D	
Common Stock	09/30/2011		F		19,099	D	$76.37	79,445	D	
Common Stock	10/03/2011		F		1,335	D	$73.87	78,110	D	
Common Stock	10/03/2011[1]		J		98.71	A	$0.0000[2]	2,957.65	I	By RSP[3]
Common Stock	10/03/2011[1]		J		282.73	A	$0.0000[2]	11,705.013	I	By Spouse[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/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	Amount or Number of Shares				
Stock Option (Right to Buy)[5]	$38.02	09/30/2011		M			29,000	08/08/1988[6]	10/02/2011	Common Stock	29,000	$0.0000	0.0000	D	

Explanation of Responses:

1. Transactions not required to be reported since last filing.

2. Not applicable to this security

3. Shares represented by units of interest in the Company Stock Fund held under the issuer's Retirement Savings Plan.

4. Shares owned by spouse as to which the reporting person disclaims beneficial ownership.

5. Employee Stock Options granted under the issuer's Long-Term Incentive Plan.

6. These options become exercisable in one-third increments on the first three anniversaries of grant.

Linda M. Svoboda as Attorney in Fact	10/04/2011
** Signature of Reporting Person	Date