

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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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* <u>Jones Stephen J</u>	2. Date of Event Requiring Statement (Month/Day/Year) 09/30/2007	3. Issuer Name and Ticker or Trading Symbol <u>AIR PRODUCTS &amp; CHEMICALS INC /DE/ [ APD ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>V.P</u>	5. If Amendment, Date of Original Filed (Month/Day/Year)
(Last) (First) (Middle) <u>7201 HAMILTON BOULEVARD</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
(Street) <u>ALLENTOWN PA 18195</u>			
(City) (State) (Zip)			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	3,764	D	
Common Stock	163.26	I	By RSP <sup>(1)</sup>
Common Stock	168.37	I	By RSP <sup>(1)(2)</sup>
Common Stock	178.76	I	By Spouse <sup>(2)</sup>

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)	
	Date Exercisable	Expiration Date					Title
1999 Global Employee Stock Option <sup>(3)</sup>	10/01/2002	10/01/2009	Common Stock	100	28.78	I	By Spouse <sup>(2)</sup>
2003 Rights <sup>(4)</sup>	08/08/1988 <sup>(4)</sup>	10/02/2012	Common Stock	4,500	<sup>(4)</sup>	D	
2003 Rights <sup>(4)</sup>	08/08/1988 <sup>(4)</sup>	10/02/2012	Common Stock	700	<sup>(4)</sup>	I	By Spouse <sup>(2)</sup>
2003 Stock Options <sup>(5)</sup>	08/08/1988 <sup>(6)</sup>	10/02/2012	Common Stock	4,500	43.09	D	
2003 Stock Options <sup>(5)</sup>	08/08/1988 <sup>(6)</sup>	10/02/2012	Common Stock	700	43.09	I	By Spouse <sup>(2)</sup>
2004 Stock Options <sup>(5)</sup>	08/08/1988 <sup>(7)</sup>	10/02/2013	Common Stock	5,100	45.53	D	
2005 Stock Options <sup>(5)</sup>	08/08/1988 <sup>(8)</sup>	10/02/2014	Common Stock	8,000	54.17	D	
2006 Stock Options <sup>(5)</sup>	08/08/1988 <sup>(9)</sup>	10/04/2015	Common Stock	7,000	55.33	D	
2007 Stock Options <sup>(5)</sup>	08/08/1988 <sup>(10)</sup>	10/03/2016	Common Stock	6,200	67.23	D	
Rights 2004 <sup>(4)</sup>	08/08/1988 <sup>(4)</sup>	10/02/2013	Common Stock	5,100	<sup>(4)</sup>	D	
Rights 2005 <sup>(4)</sup>	08/08/1988 <sup>(4)</sup>	10/02/2014	Common Stock	8,000	<sup>(4)</sup>	D	
Rights 2006 <sup>(4)</sup>	08/08/1988 <sup>(4)</sup>	10/04/2015	Common Stock	7,000	<sup>(4)</sup>	D	
Rights 2007 <sup>(4)</sup>	08/08/1988 <sup>(4)</sup>	10/03/2016	Common Stock	6,200	<sup>(4)</sup>	D	

## Explanation of Responses:

- Shares represented by units of interest in the Company Stock Fund held under the issuer's Retirement Savings Plan.
- Shares owned by spouse as to which the reporting person disclaims beneficial ownership.
- Granted under the Global Employee Stock Option Awards
- The Options include contractual rights (Rights) similar to employee restricted appreciation rights with exercise dates only during a 30 day period following a change in control of the Company (as defined in the LTIP). Exercise of Rights cancels the related Options on a one-for-one basis and entitles the reporting person to receive a cash payment equal to the fair market value of a share of Common Stock on the date of exercise (as defined in the LTIP) minus the option exercise price.
- Employee Stock Options (Options) granted under the issuer's Long-Term Incentive Plan (LTIP). Exercise of these Options cancels the related Rights described herein on a one-for-one basis.
- One-third became exercisable 10/1/03; one-third became exercisable 10/1/04; and one-third became exercisable 10/1/05.
- One-third became exercisable 10/1/04; one-third became exercisable 10/1/05; and one-third became exercisable 10/1/06.
- One-third became exercisable 10/1/05; one-third became exercisable 10/1/06; and one-third became exercisable 10/1/07.
- One-third became exercisable 10/3/06; one-third became exercisable 10/3/07; and one-third became exercisable 10/3/08.
- One-third became exercisable on 10/2/07; one-third became exercisable on 10/2/08; and one-third became exercisable on 10/2/09.

**Remarks:**

By: Linda M. Svoboda as  
Attorney in Fact

10/01/2007

\*\* 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 5 (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.

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