## FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
-------------	------	-------

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
hours per response:	0.5								

	ion 1(b).	ide. See		File							ies Exchan			4		nours	per response:	0.5	
Name and Address of Reporting Person*     SMITH LAWRENCE S					2. Is <u>AI</u>	or Section 30(h) of the Investment Company Act of 1940  2. Issuer Name and Ticker or Trading Symbol  AIR PRODUCTS & CHEMICALS INC  /DE/ [ APD ]								(Ch	neck all app X Direct Office	olicable) etor er (give title	10% (	Person(s) to Issuer  10% Owner  Other (specify below)	
(Last) (First) (Middle) 7201 HAMILTON BOULEVARD					3. Date of Earliest Transaction (Month/Day/Year) 08/04/2011								belov	N)	below				
(Street) ALLENT	TOWN PA		18195 (Zip)			4. If Amendment, Date of Original Filed (Month/Day/Year) 08/12/2011						Line	e) X Form Form						
		Tabl	le I - No	n-Deriv	ative	Sec	uritie	s Acc	quired	, Dis	posed o	f, or	Bene	ficial	lly Owne	ed			
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)				ay/Year)   Exec		. Deemed ecution Date, any onth/Day/Year)		Transaction Disposed Code (Instr.		ies Acquired (A) Of (D) (Instr. 3, 4		A) or , 4 and	5) Securi Benefi	cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
									Code	v	Amount	(A) (D)	or F	Price	Transa	action(s) 3 and 4)		(111311.4)	
Common Stock 08				08/04	08/04/2011				P		0.0000	00 A \$		\$0.000	00 4	4,850	D		
		Та									osed of, onvertib				Owned				
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)	n Date,	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. and 4)		tr. 3	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	or Num of Shar	ber					

Explanation of Responses:

## Remarks:

The original form was filed in error. The shares that appear on the original Form were purchased for a non-beneficially owned family trust irrevocably established by the Section 16(b) insider and should not be inlcuded as being owned for Section 16 purposes. The shares will appear in the Proxy Statment as being beneficially owned.

Linda M. Svoboda as Attorney

08/05/2011

\*\* Signature of Reporting Person

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.