

AIR PRODUCTS &amp; CHEMICALS INC /DE/

Form 4

November 17, 2006

**FORM 4****UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF  
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

## OMB APPROVAL

OMB  
Number: 3235-0287  
Expires: January 31,  
2005  
Estimated average  
burden hours per  
response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Dixon Robert D

2. Issuer Name **and** Ticker or Trading  
Symbol

AIR PRODUCTS & CHEMICALS  
INC /DE/ [APD]

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

(Last) (First) (Middle)

7201 HAMILTON BOULEVARD

(Street)

ALLENTOWN, PA 18195

(City) (State) (Zip)

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/16/2006

4. If Amendment, Date Original  
Filed(Month/Day/Year)

\_\_\_\_ Director \_\_\_\_ 10% Owner  
\_X\_ Officer (give title \_\_\_\_ Other (specify  
below) below)

V.P. and G.M. Merchant Gases

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
\_X\_ Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting  
Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. Transaction<br>Code<br>(Instr. 8) | 4. Securities<br>Acquired (A) or<br>Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|
|                                       |                                         |                                                             | Code                                 | V                                                                          | Amount<br>(A)<br>or<br>(D)                                                                                         | Price                                                                |                                                                   |
| Common<br>Stock                       | 11/16/2006                              |                                                             | A                                    |                                                                            | 350                                                                                                                | A \$ 0                                                               | 10,456.268 D                                                      |
| Common<br>Stock                       |                                         |                                                             |                                      |                                                                            |                                                                                                                    | 3,505.67                                                             | I By RSP                                                          |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**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 control  
number.**

SEC 1474  
(9-02)

