

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

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FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) 27 January 2005  
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Air Products and Chemicals, Inc.  
(Exact Name of Registrant as Specified in Charter)

Delaware

1-4534

23-1274455

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(State or Other Jurisdiction  
of Incorporation)

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(Commission File Number)

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(IRS Employer  
Identification No.)

7201 Hamilton Boulevard, Allentown, Pennsylvania

18195-1501

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(Address of Principal Executive Offices)

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(Zip Code)

(610) 481-4911  
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Registrant's telephone number, including area code

not applicable

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(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to  
simultaneously satisfy the filing obligation of the registrant under any of the  
following provisions (See General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02 Departure of Directors or Principal Officers; Election of  
Directors; Appointment of Principal Officers.

At its meeting on 27 January 2005, the Board of Directors elected Margaret G. McGlynn a director of the Company, effective 17 March 2005, for a term that expires in January 2007. Ms. McGlynn will also serve as a member of the Audit Committee and the Environmental Safety and Public Policy Committee of the Board.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Air Products and Chemicals, Inc.

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(Registrant)

Dated: 1 February 2005

By: /s/ Paul E. Huck

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Paul E. Huck

Vice President and Chief Financial Officer