

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

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) 31 August 2004

Air Products and Chemicals, Inc.
(Exact Name of Registrant as Specified in Charter)

Delaware

1-4534

23-1274455

(State or Other Jurisdiction
of Incorporation)

(Commission File Number)

(IRS Employer
Identification No.)

7201 Hamilton Boulevard, Allentown, Pennsylvania

18195-1501

(Address of Principal Executive Offices)

(Zip Code)

(610) 481-4911

Registrant's telephone number, including area code

not applicable

(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.

Paula G. Rosput has resigned from the Board of Directors and each of the committees of the Board of Directors on which Ms. Rosput serves as a member effective 31 August 2004.

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.

(Registrant)

Dated: 31 August 2004

By: /s/ Paul E. Huck

Paul E. Huck

Vice President and Chief Financial Officer