

AIR PRODUCTS & CHEMICALS INC /DE/  
Form 8-K  
October 21, 2009

**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) October 21, 2009**

**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))
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Item 2.02. Results of Operations and Financial Condition.

On October 21, 2009, the company issued a press release announcing its earnings for the fourth quarter of fiscal year 2009. A copy of the press release is attached as Exhibit 99.1 to this Form 8-K. The press release, including all financial statements, is furnished and is not deemed to be filed.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

99.1 Press Release dated October 21, 2009.

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: October 21, 2009

By: /s/ Paul E. Huck  
Paul E. Huck  
Senior Vice President and Chief  
Financial Officer

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Exhibit Index

| Exhibit No. | Description                           |   |
|-------------|---------------------------------------|---|
| 99.1        | Press Release dated October 21, 2009. | 4 |