
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):

August 21, 2006

Air Products and Chemicals, Inc.

(Exact name of registrant as specified in its charter)

Delaware

1-4534

23-1274455

(State or other jurisdiction
of incorporation)

(Commission
File Number)

(I.R.S. Employer
Identification No.)

7201 Hamilton Boulevard, Allentown, Pennsylvania

18195-1501

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code:

610 481-4911

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:

- 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 7.01 Regulation FD Disclosure.

On August 21, 2006, the company published Current Business Information, including consolidated sales and product volumes for July on its website at <http://www.airproducts.com/Invest/financialnews/current.htm>. A copy of the Current Business Information dated August 21, 2006, is attached as Exhibit 99.1 to this Form 8-K. The Current Business Information is being furnished; it is not deemed to be filed.

Item 9.01 Financial Statements and Exhibits.

(c) Exhibits

99.1 Current Business Information dated August 21, 2006.

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.

August 21, 2006

By: *W. Douglas Brown*

Name: W. Douglas Brown

Title: Vice President, General Counsel and Secretary

Exhibit Index

<u>Exhibit No.</u>	<u>Description</u>
99.1	Current Business Information dated August 21, 2006.

Current Business Information

Quarter-To-Date

August 21, 2006

**July 2006
% Change
vs.
Prior Year**

Commentary

	July 2006 % Change vs. Prior Year	Commentary
Consolidated Sales	20	Strong growth in Gases and Equipment, and Performance Materials.
Electronics Sales 3 Mo Rolling Avg**	14	Specialty material volumes continue to increase while equipment revenues were essentially flat.
EPI On-site/Pipeline Volume	21	Volumes strong across most franchises.
Asia Liquid/Bulk Volume	17	Strong growth in China continues.
North America Gases:		
Liquid/Bulk Volume	3	Growth across all major products. Tight operating conditions.
LOX/LIN Price	10	Pricing programs and surcharges continue to recover higher energy costs.
Europe Gases:		
Liquid/Bulk Volume	8	Good growth including some spot activity. New business signings continue to be encouraging.
Cylinder Volume	(1)	
LOX/LIN Price	2	Pricing programs across the region.
Chemical Sales Volume:		
Performance Volume	12	Growth across Epoxy Additives, Surfactants and Polyurethane Additives.
Amines, PUI & Polymers Volumes	(20)	Good growth in Emulsions was more than offset by weakness in Polyurethane Intermediates (customer shutdowns). Amines volumes mixed.

** Three month rolling average; excludes Liquid/Bulk revenues and equity affiliate revenues.

Note: We are providing this information at the request of financial analysts and investors who have indicated that it would assist them in understanding recent business trends at Air Products. This information is based on current estimates and data that we believe in our judgment to be reliable. Please keep in mind that sales volumes and prices are not the only factors that determine future financial performance. Many other factors including raw material, energy, distribution and overhead costs and other price changes also influence earnings.