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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) 23 August 2005**

**Air Products and Chemicals, Inc.**

(Exact Name of Registrant as Specified in Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

1-4534

(Commission File Number)

23-1274455

(IRS Employer Identification No.)

7201 Hamilton Boulevard, Allentown, Pennsylvania

(Address of Principal Executive Offices)

18195-1501

(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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## **TABLE OF CONTENTS**

[Item 7.01. Regulation FD Disclosure.](#)

[Item 9.01. Financial Statements and Exhibits.](#)

[SIGNATURES](#)

[EX-99.1: CURRENT BUSINESS INFORMATION](#)

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## Table of Contents

### Item 7.01. Regulation FD Disclosure.

On 23 August 2005, the company published Current Business Information, including consolidated sales and product volumes for July, 2005, on its website at <http://www.airproducts.com/Invest/financialnews/current.htm>. A copy of the Current Business Information dated August 23, 2005 is attached as Exhibit 99.1 to this Form 8-K. This 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 23, 2005.

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: 26 August 2005

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

## Investor Information

### Current Business Information

Quarter-to-Date  
August 23, 2005

July 2005  
% Change  
vs Prior Year

Consolidated Sales	2	Gases up modestly on difficult Electronics comps. Chemical divestitures impact and lower volumes.
Electronics Sales 3 month rolling average **	(2)	Strong prior year equipment sales. Specialty material volumes continue to increase.
EPI On-site/Pipeline Volume	(4)	HyCO flat, GOX/GAN volumes down in Europe due to power issues.
Asia Liquid/Bulk Volume	23	Strong liquid demand across the region.
<u>North America Gases</u>		
Liquid/Bulk Volume	1	LOX/LIN up 5%, LHY & LHe lower due to customer order patterns.
LOX/LIN Price	2	
<u>Europe Gases</u>		
Liquid/Bulk Volume	(3)	Weak manufacturing environment.
Cylinder Volume	(4)	Fewer workdays this year, volume flat after adjusting for workdays.
LOX/LIN Price	6	Pricing programs and favorable mix.
<u>Chemical Sales Volume</u>		
Performance Volume	(8)	Most businesses experienced a weak July. August volumes appear to be rebounding.
Intermediates Volume	(15)	Most businesses lower partially due to customer outages, and some impact from Hurricane Dennis as well.

\*\* 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.