

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) 23 April 2002

Air Products and Chemicals, Inc.

(Exact name of registrant as specified in charter)

Delaware	1-4534	23-1274455
----- (State of other jurisdiction of incorporation)	----- (Commission file number)	----- (IRS Identification number)
7201 Hamilton Boulevard, Allentown, Pennsylvania		18195-1501
----- (Address of principal executive offices)		----- (Zip Code)

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

Item 5. Other Events.

AIR PRODUCTS REPORTS SECOND QUARTER EPS OF 57 CENTS

LEHIGH VALLEY, Pa. (April 23, 2002) - Air Products and Chemicals, Inc. (NYSE:APD) today reported net income of \$126 million, or diluted earnings per share (EPS) of \$.57, for its second fiscal quarter ended March 31, 2002. Net income and diluted EPS were up 33% compared with prior year results of \$95 million and \$.43 per share.

Fiscal 2002 results include an after-tax gain of \$25.7 million, or \$.12 per share, on the sale of the U.S. packaged gas business and an after-tax charge of \$18.9 million, or \$.09 per share for a global cost reduction plan. Fiscal 2001 results include an after-tax charge of \$23.7 million, or \$.11 per share, principally for a global cost reduction plan. Details of these special items are contained in the attached notes.

Excluding special items in both quarters, net income from ongoing operations of \$119 million increased 1%. EPS from operations of \$.54 was equal to last year's results.

Revenues of \$1.3 billion declined 14%. Excluding the impact of natural gas pass-through, acquisitions and divestitures, and currency effects, sales declined 3%, reflecting continued weakness in the global manufacturing sector, including electronics.

The following discussion excludes special items.

Commenting on the quarter, Air Products Chairman and Chief Executive Officer John P. Jones said, "While manufacturing activity remained at low levels, we again saw improvement in our chemicals business, which traditionally has led us out of downturns. Delivering on our commitment to improve our portfolio, we completed the sale of our U.S. packaged gas business last month. During the quarter, Air Products also received the Environmental Protection Agency's prestigious Climate Protection Award. The award recognizes our work helping semiconductor manufacturers reduce emissions from their processes through technologies including nitrogen trifluoride (NF3) chamber cleaning."

In our industrial gases segment, sales of \$887 million declined 18%. Excluding natural gas pass-through, acquisitions and divestitures, and currency effects,

sales declined 4%. Operating income declined 19%, primarily due to the pronounced global electronics slowdown, as current trough levels of activity are being compared with last year's record levels. In our North American merchant gases business, margin expansion in the liquid oxygen, nitrogen, hydrogen and helium product lines helped offset continued softer volumes. North American operating results include a write-off of about \$7 million in receivables associated with three bankrupt steel customers.

In our chemicals segment, sales of \$358 million declined 8%, primarily due to lower activity in amines and polyurethane intermediates. Operating income of \$47 million, however, doubled from

last year due to margin improvement in most product lines and lower costs due to continuous improvement efforts and lower natural gas and feedstock costs. Operating margins in chemicals climbed to 13%, improving sequentially and moving closer to historical levels.

Equipment segment sales increased 5%, and operating income was up on higher shipments of helium containers and membrane units. The equipment backlog dropped sequentially, reflecting lower plant and equipment activity.

Regarding Air Products' outlook, Mr. Jones said, "Last quarter, we said we expected fiscal year operating EPS of about \$2.35. We are maintaining that guidance, less an adjustment of about \$.03 per share equivalent to the dilutive effect of the U.S. packaged gas divestiture in the last half of our fiscal year. For the third quarter, we anticipate operating EPS will be about 10% higher than second quarter operating EPS."

Mr. Jones concluded by saying, "However, the economy remains a concern. The recent upturn in the U.S. Industrial Production index is encouraging, but widespread uncertainty remains on the strength and pace of this recovery. Higher volumes across major businesses are required to bring our operating leverage to the forecasted bottom line particularly in electronics, chemicals and merchant gases."

***NOTE: Fiscal 2002 second quarter earnings reflect a \$.02 per share benefit, and the fiscal 2002 earnings outlook reflects \$.07 per share benefit from the adoption of a new accounting standard for goodwill. In addition, the divestiture of the U.S. packaged gas business is expected to be approximately \$.03 per share dilutive in the first six months, but earnings neutral in the 12 months after close.

***NOTE: The forward-looking statements contained in this release are based on current expectations regarding important risk factors. Actual results may differ materially from those expressed. Factors that might cause forward-looking statements to differ materially from actual results include, among other things, overall economic and business conditions, in particular the success of the world economy, including the electronics industry, strengthening in the second half of the fiscal year and resulting in meaningful increases in the demand for Air Products' goods and services during that time; competitive factors in the industries in which it competes; the ability to recover increased energy and raw material costs from customers; spikes in the pricing of natural gas; changes in government regulations; consequences of acts of terrorism impacting the United States' and other markets; the success of implementing cost reduction programs; the timing, impact and other uncertainties of future acquisitions or divestitures; significant fluctuations in interest rates and foreign currencies; the impact of tax and other legislation and regulations in jurisdictions in which Air Products and its affiliates operate; and the timing and rate at which tax credits can be utilized.

Please review the attached financial tables, including the Summary of Consolidated Financial Information:

AIR PRODUCTS AND CHEMICALS, INC.
SUMMARY OF CONSOLIDATED FINANCIAL INFORMATION
(Unaudited)

(Millions of dollars, except per share)

	Three Months Ended 31 March		Six Months Ended 31 March	
	2002	2001	2002	2001
Sales	\$1,312.7	\$1,534.5	\$2,629.2	\$3,010.3
Net Income:				
As reported	\$126.1	\$ 94.6	\$239.8	\$230.2
Exclusive of special items	\$119.3(a)	\$118.3(b)	\$233.0(a)	\$253.9(b)
Basic Earnings Per Share:				
As reported	\$.58	\$.44	\$1.11	\$1.07
Exclusive of special items	\$.55	\$.55	\$1.08	\$1.18
Diluted Earnings Per Share:				
As reported	\$.57	\$.43	\$1.08	\$1.05
Exclusive of special items	\$.54(a)	\$.54(b)	\$1.05(a)	\$1.16(b)
Operating Return on Net Assets			10.6%	11.3%
Capital Expenditures			\$358.9	\$329.3
Depreciation	\$136.4	\$143.3	\$275.7	\$291.7

(a) Excluded an after-tax gain of \$25.7, or \$.12 per share, on the sale of U.S. packaged gas business and an after-tax charge of \$18.9, or \$.09 per share, for a global cost reduction plan.

(b) Excluded an after-tax charge of \$20.0, or \$.09 per share, for a global cost reduction plan and an after-tax charge of \$3.7, or \$.02 per share, for costs related to a litigation settlement.

AIR PRODUCTS AND CHEMICALS, INC. and Subsidiaries
CONSOLIDATED INCOME
(Unaudited)

(Millions of dollars, except per share)

	Three Months Ended 31 March		Six Months Ended 31 March	
	2002	2001	2002	2001
SALES	\$1,312.7	\$1,534.5	\$2,629.2	\$3,010.3
COSTS AND EXPENSES				
Cost of sales	942.3	1,141.0	1,879.4	2,200.6
Selling and administrative	189.1	189.5	358.4	363.0
Research and development	28.1	30.8	58.5	59.3
Other (income) expense, net	(1.6)	9.0	(6.1)	(4.3)
OPERATING INCOME	154.8	164.2	339.0	391.7
Income from equity affiliates, net of related expenses	20.3	16.9	38.7	37.8
Gain on sale of packaged gas business	55.7	--	55.7	--
Interest expense	31.0	50.3	66.1	98.7
INCOME BEFORE TAXES AND MINORITY INTEREST	199.8	130.8	367.3	330.8
Income taxes	69.6	36.6	118.4	98.3
Minority interest (a)	4.1	(.4)	9.1	2.3
NET INCOME	\$126.1	\$94.6	\$239.8	\$230.2
BASIC EARNINGS PER COMMON SHARE	\$.58	\$.44	\$1.11	\$1.07
DILUTED EARNINGS PER COMMON SHARE	\$.57	\$.43	\$1.08	\$1.05
WEIGHTED AVERAGE NUMBER OF COMMON SHARES (in millions)	216.6	214.5	216.2	214.4
WEIGHTED AVERAGE NUMBER OF COMMON AND COMMON EQUIVALENT SHARES (in millions) (b)	222.9	218.9	221.7	218.4
DIVIDENDS DECLARED PER COMMON SHARE - Cash	\$.20	\$.19	\$.40	\$.38

(a) Minority interest primarily includes before-tax amounts.

(b) The dilution of earnings per common share is due mainly to the impact of unexercised stock options.

AIR PRODUCTS AND CHEMICALS, INC. and Subsidiaries
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)

(Millions of dollars)

ASSETS	2002	31 March 2001
CURRENT ASSETS		
Cash and cash items	\$ 97.8	\$ 100.6
Trade receivables, less allowances for doubtful accounts	867.2	1,049.8
Inventories and contracts in progress	459.7	514.2
Other current assets	206.6	240.3
TOTAL CURRENT ASSETS	1,631.3	1,904.9
INVESTMENTS IN NET ASSETS OF AND ADVANCES TO EQUITY AFFILIATES		
PLANT AND EQUIPMENT, at cost	10,157.1	10,451.6
Less - Accumulated depreciation	5,160.2	5,274.9
PLANT AND EQUIPMENT, net	4,996.9	5,176.7
GOODWILL	343.1	342.7
OTHER NONCURRENT ASSETS	368.9	366.4
TOTAL ASSETS	\$ 7,870.8	\$ 8,284.5
LIABILITIES AND SHAREHOLDERS' EQUITY		
CURRENT LIABILITIES		
Payables, trade and other	\$ 460.3	\$ 577.0
Accrued liabilities	323.0	336.6
Accrued income taxes	77.5	17.1
Short-term borrowings	46.6	209.1
Current portion of long-term debt	66.9	302.0
TOTAL CURRENT LIABILITIES	974.3	1,441.8
LONG-TERM DEBT	1,968.9	2,515.6
DEFERRED INCOME & OTHER NONCURRENT LIABILITIES	718.9	534.3
DEFERRED INCOME TAXES	791.1	785.6
TOTAL LIABILITIES	4,453.2	5,277.3
MINORITY INTERESTS IN SUBSIDIARY COMPANIES	120.9	117.4
TOTAL SHAREHOLDERS' EQUITY	3,296.7	2,889.8
TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY	\$ 7,870.8	\$ 8,284.5

AIR PRODUCTS AND CHEMICALS, INC. and Subsidiaries
CONDENSED CONSOLIDATED CASH FLOWS
(Unaudited)

(Millions of dollars)

	Six Months Ended 31 March	
	2002	2001
OPERATING ACTIVITIES		
Net Income	\$239.8	\$230.2
Adjustments to reconcile income to cash provided by operating activities:		
Depreciation	275.7	291.7
Deferred income taxes	7.4	7.1
Undistributed earnings of unconsolidated affiliates	(30.9)	(19.9)
Gain on sale of assets and investments	(58.6)	(.6)
Other	66.1	(8.2)
Working capital changes that provided (used) cash, excluding effects of acquisitions and divestitures:		
Trade receivables	10.1	(82.2)
Inventories and contracts in progress	(5.8)	(37.9)
Payables, trade and other	(43.0)	1.6
Other	16.3	(1.9)
CASH PROVIDED BY OPERATING ACTIVITIES	477.1	379.9
INVESTING ACTIVITIES		
Additions to plant and equipment (a)	(321.3)	(302.3)
Investment in and advances to unconsolidated affiliates	(34.7)	(26.5)
Acquisitions, less cash acquired	(1.1)	--
Proceeds from sale of assets and investments	267.8	32.2
Other	10.5	23.0
CASH USED FOR INVESTING ACTIVITIES	(78.8)	(273.6)
FINANCING ACTIVITIES		
Long-term debt proceeds	20.8	54.4
Payments on long-term debt	(164.8)	(21.4)
Net decrease in commercial paper and short-term borrowings	(205.2)	(25.7)
Purchase of treasury stock	--	(50.0)
Dividends paid to shareholders	(86.2)	(81.5)
Issuance of stock for options and award plans	75.5	27.0
CASH USED FOR BY FINANCING ACTIVITIES	(359.9)	(97.2)
Effect of Exchange Rate Changes on Cash	(6.8)	(2.6)
Increase in Cash and Cash Items	31.6	6.5
Cash and Cash Items - Beginning of Year	66.2	94.1
Cash and Cash Items - End of Period	\$97.8	\$100.6

(a) Excludes capital lease additions of \$1.8 and \$.5 in 2002 and 2001, respectively.

AIR PRODUCTS AND CHEMICALS, INC. and Subsidiaries
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
(Unaudited)

(millions of dollars, except per share)

The company adopted Statement of Financial Accounting Standards (SFAS) No. 142, "Goodwill and Other Intangible Assets" on 1 October 2001. As required by SFAS 142, the company performed an impairment test on goodwill as of 1 October 2001, which indicated no impairment of goodwill. As of 1 October 2001 the company is no longer amortizing goodwill, including goodwill associated with investments in equity affiliates. Goodwill amortization in 2001 was \$14.8 on an after-tax basis, or \$.07 per share. Goodwill amortization for the three and six months ended 31 March 2001 was \$3.6 and \$7.4 on an after-tax basis, or \$.02 and \$.04 per share, respectively.

On 28 February 2002, the company completed the sale of the majority of its U.S. packaged gas business, excluding the electronic gases and magnetic resonance imaging related helium operations, to Airgas, Inc. (Airgas). This sale included approximately 100 facilities in 30 states associated with the filling and distribution of cylinders, liquid dewars, tube trailers, and other containers of industrial gases and non-electronic specialty gases, and the retail selling of welding hardgoods, including customer service centers, warehouses, and other related assets. The company also sold its packaged gas operations in the Carolinas and in Southern Virginia to National Welders Supply Company, Inc., a joint venture between Airgas and the Turner family of Charlotte, N.C. The assets sold generated \$240 in revenues in 2001 with a modest contribution to operating income. For the five months ended 28 February 2002, the revenues were approximately \$100 also with a modest contribution to operating income. These facilities employed 1,200 people. The proceeds from these transactions were \$254.5. The results for the three and six months ended 31 March 2002 included a gain of \$55.7 (\$25.7 after-tax, or \$.12 per share).

The results for the three and six months ended 31 March 2002 included a charge of \$30.8 (\$18.9 after-tax, or \$.09 per share) for a global cost reduction plan including packaged gas divestiture related reductions. The plan included 333 position eliminations, resulting in a charge of \$27.1 for severance and pension related benefits. A charge of \$3.7 was recognized for asset impairments related to the planned sale or closure of two small chemicals facilities. The restructuring charges included in cost of sales, selling and administrative, research and development, and other expense were \$13.4, \$14.1, \$.4, and \$2.9, respectively.

Income from equity affiliates contributed \$.09 and \$.07 to diluted earnings per share for the three months ended 31 March 2002 and 2001, respectively. Income from equity affiliates contributed \$.16 to diluted earnings per share for both the six months ended 31 March 2002 and 2001.

The results for the three and six months ended 31 March 2001 included a charge of \$30.9 (\$20.0 after-tax, or \$.09 per share) for a global cost reduction plan. The plan included 311 position eliminations, resulting in a charge of \$22.4 for severance and termination benefits. A charge of \$8.5 was recognized for asset impairments and other related restructuring costs. The restructuring charges included in cost of sales, selling and administrative, and other expense were \$14.4, \$9.4, and \$7.1, respectively. The results for the three and six months ended 31 March 2001, also, included a charge of \$6.0 (\$3.7 after-tax, or \$.02 per share) related to a litigation settlement.

AIR PRODUCTS AND CHEMICALS, INC. and Subsidiaries
SUMMARY BY BUSINESS SEGMENTS
(Unaudited)

Business segment information is shown below:

(Millions of dollars)	Three Months Ended 31 March		Six Months Ended 31 March	
	2002	2001	2002	2001
Revenues from external customers				
Gases	\$ 886.8	\$1,079.4	\$1,790.9	\$2,106.1
Chemicals	358.1	390.3	707.1	783.6
Equipment	67.8	64.8	131.2	120.6
Segment Totals	1,312.7	1,534.5	2,629.2	3,010.3
Consolidated Totals	\$1,312.7	\$1,534.5	\$2,629.2	\$3,010.3
Operating income				
Gases	\$122.5	\$156.8	\$274.5	\$348.2
Chemicals	42.0	18.5	82.5	55.5
Equipment	5.1	3.5	6.0	4.6
Segment Totals	169.6	178.8	363.0	408.3
Corporate research and development and other income/(expense)	(14.8)	(14.6)	(24.0)	(16.6)
Consolidated Totals	\$154.8	\$164.2	\$339.0	\$391.7
Operating income (excluding special items)				
Gases	\$148.7(a)	\$183.1(c)	\$300.7(a)	\$374.5(c)
Chemicals	46.6(b)	23.1(d)	87.1(b)	60.1(d)
Equipment	5.1	3.5	6.0	4.6
Segment Totals	200.4	209.7	393.8	439.2
Corporate research and development and other income/(expense)	(14.8)	(8.6)(e)	(24.0)	(10.6)(e)
Consolidated Totals	\$185.6	\$201.1	\$369.8	\$428.6
Equity affiliates' income				
Gases	\$16.3	\$16.6	\$32.1	\$35.3
Chemicals	2.8	--	5.1	1.5
Equipment	1.2	.2	1.5	.9
Segment Totals	20.3	16.8	38.7	37.7
Other	--	.1	--	.1
Consolidated Totals	\$20.3	\$16.9	\$38.7	\$37.8

(Millions of dollars)

	31 March	
	2002	2001
Identifiable assets (f)		
Gases	\$5,503.2	\$5,930.7
Chemicals	1,384.4	1,457.9
Equipment	214.1	229.9
Segment Totals	7,101.7	7,618.5
Corporate assets	238.5	172.2
Consolidated Totals	\$7,340.2	\$7,790.7

	Twelve Months Ended 31 March	
	2002	2001
ORONA(f)		
Gases	11.2%	12.9%
Chemicals	12.0%	9.6%
Equipment	6.5%	6.3%
Segment Totals	11.2%	12.0%
Consolidated Totals	10.6%	11.3%

- (a) The results for the three and six months ended 31 March 2002 excluded a cost reduction charge of \$26.2.
- (b) The results for the three and six months ended 31 March 2002 excluded a cost reduction charge of \$4.6.
- (c) The results for the three and six months ended 31 March 2001 excluded a cost reduction charge of \$26.3.
- (d) The results for the three and six months ended 31 March 2001 excluded a cost reduction charge of \$4.6.
- (e) The results for the three and six months ended 31 March 2001 excluded a litigation settlement charge of \$6.0.
- (f) Operating return on net assets (ORONA) is calculated as the rolling four quarter sum of operating income divided by the rolling five quarter average of total assets less investments in equity affiliates (identifiable assets). The ORONA calculation excluded all special items impacting operating income.

AIR PRODUCTS AND CHEMICALS, INC. and Subsidiaries
SUMMARY BY GEOGRAPHIC REGIONS
(Unaudited)

(Millions of dollars)

	Three Months Ended 31 March		Six Months Ended 31 March	
	2002	2001	2002	2001
Revenues from external customers				
United States	\$ 819.9	\$1,030.9	\$1,657.8	\$2,012.1
Canada	27.1	29.8	52.1	59.3
Total North America	847.0	1,060.7	1,709.9	2,071.4
United Kingdom	108.0	125.7	218.9	238.1
Spain	80.5	82.8	161.7	157.1
Other Europe	180.5	159.9	332.4	307.5
Total Europe	369.0	368.4	713.0	702.7
Asia	69.1	77.1	152.0	169.7
Latin America	27.6	28.3	54.2	66.4
All Other	--	--	.1	.1
Total	\$1,312.7	\$1,534.5	\$2,629.2	\$3,010.3

Note: Geographic information is based on country of origin. The other Europe segment operates principally in France, Germany, Netherlands, and Belgium.

Media Inquiries:

Lisa A. Walsh, tel: (610) 481-5784; e-mail: walshla@apci.com

Investor Inquiries:

Alexander W. Masetti, tel: (610) 481-7461; e-mail: masettaw@apci.com.

Item 9. Regulation FD Disclosure

The Q2 earnings teleconference following the earnings release which started at 10:00 a.m. EDT on April 23 could be accessed by listening on the Company's web site at <http://www.airproducts.com/fin/quarterly.htm>. Recordings of the earnings teleconference and copies of the slides used will continue to be available at the above web address until midnight on April 30, 2002.

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, thereunto duly authorized.

Air Products and Chemicals, Inc.

(Registrant)

Dated: 23 April 2002

By: /s/Paul E. Huck

Paul E. Huck
Vice President and Corporate Controller
(Chief Accounting Officer)