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) 22 October 2001

Air Products and Chemicals, Inc. -----(Exact name of registrant as specified in charter)

1-4534 23-1274455 _ 20 2214400

(State of other jurisdiction (Commission file number) (IRS Identification of incorporation)

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 FOURTH OUARTER OPERATING EPS OF 60 CENTS

LEHIGH VALLEY, Pa. (October 22, 2001) - Air Products and Chemicals, Inc. (NYSE:APD) today reported net income from operations of \$133 million, or diluted earnings per share of 60 cents, for the September quarter. Diluted earnings per share declined six percent compared with prior year earnings per share of 64 cents, excluding special items in both quarters. Net income from operations declined five percent compared with prior year earnings of \$139 million, primarily due to continued weakness in the global electronics market and U.S. manufacturing. Revenues of \$1.4 billion declined six percent.

Commenting on the quarter, Air Products Chairman and Chief Executive Officer John P. Jones said, "In this challenging economic environment, Air Products produced solid results, implemented several strategic steps, and took some difficult but decisive actions. Divesting our interest in two cogeneration facilities is consistent with our commitment to focus resources on our strategic growth businesses. We restructured other businesses, making targeted staff reductions and writing down some underperforming assets. To take advantage of the lower interest rate environment, we also repurchased a portion of our debt. These actions will make Air Products more competitive going forward.'

The following discussion excludes special items noted in the footnotes to the financial statements.

Industrial gas sales of \$925 million declined two percent. Operating income declined nine percent compared with the prior year, principally due to the slowdown in the electronics market. Results for electronics were affected by a sharp reduction in customers' global silicon wafer processing due to soft demand and excess inventories.

Operating results for the global Chemicals and Processing Industries (CPI) Division improved on higher sales of HYCO (hydrogen, carbon monoxide, and syngas-a mix of hydrogen and carbon monoxide). Increased merchant volumes, including helium provided to

the MRI market, led to better Asian results, while our European business continued to perform well across the board. Results for North American Gases improved despite lower volumes.

Chemicals' sales of \$365 million declined due to the divestiture of the polyvinyl alcohol business and the slower economy. Operating income improved 15 percent compared with prior year on lower raw material costs, including natural gas. The group's operating income continued to show sequential improvement.

For fiscal 2001, Air Products' sales of \$5.7 billion were up five percent compared with the prior year. Income from operations declined two percent to \$519 million. Earnings per share from operations were \$2.37, compared with last year's \$2.46 per share on a diluted basis.

Commenting on the year, Mr. Jones said, "Air Products faced many challenges this year. We managed through a number of difficult issues caused by the declining economy without losing sight of our long-term strategies. We maintained our return on capital by focusing on raw material cost recovery, controlling overhead and production costs, reducing capital spending, and strengthening our balance sheet. Our leadership positions and the breadth of our portfolio have allowed us to perform relatively well during these difficult economic times and, more importantly, will enable us to thrive in the economic growth that will inevitably follow."

Mr. Jones concluded by saying, "Air Products begins fiscal 2002 at a time of great uncertainty in global markets. World events are affecting consumer confidence, and will likely extend the current global economic downturn. We anticipate the downturn will lead to lower earnings in the first half of our fiscal year, with our earnings improving in the second half as the economy rebounds. Under this scenario, we expect flat volumes and operating earnings per share of \$2.35 - \$2.45 in fiscal 2002."

**NOTE: The fiscal 2002 earnings outlook reflects an estimated five cents per share benefit from the adoption of a new accounting standard for goodwill.

***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, including the success of the world economy strengthening in the second half of the fiscal year; demand and timing of the placing of orders for the goods and services of Air Products, including the success of recovery in the Air Products' markets in the electronics industry in the second half of the fiscal year; 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.

Financial tables follow:

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

(Millions	of	dollars,	except	per	share)	
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	Three Months Ended 30 September		Twelve Months 30 Septem	ber
	2001		2001	
Sales		\$1,449.1	\$5,717.2	\$5,467.1
Net Income: As reported Exclusive of extraordinary and special items	\$133.1(a)		\$519.3(b)	\$532.6(d)
Basic Earnings Per Share: As reported Exclusive of extraordinary and special items		\$.65	\$2.17 \$2.42	\$2.50
Diluted Earnings Per Share: As reported Exclusive of extraordinary and special items	` ,	\$.64(c)	\$2.12 \$2.37(b)	\$2.46(d)
Operating Return on Net Assets			11.1%	11.1%
Capital Expenditures			\$806.3	\$973.0
Depreciation	\$139.4	\$149.0	\$573.0	\$575.7

- (a) Excludes an after-tax charge of \$47.3 million, or \$.21 per share, for a global cost reduction plan, an after-tax loss of \$47.3 million, or \$.21 per share, on the early extinguishment of debt, and an after-tax gain of \$64.6 million, or \$.29 per share, on the divestiture of interest in cogeneration facilities.
- (b) Excludes an after-tax charge of \$67.3 million, or \$.31 per share, for a global cost reduction plan, an after-tax charge of \$3.7 million, or \$.02 per share, for costs related to a litigation settlement, an after-tax loss of \$47.3 million, or \$.21 per share, on the early extinguishment of debt, and an after-tax gain of \$64.6 million, or \$.29 per share, on the divestiture of interest in cogeneration facilities.
- (c) Excludes an after-tax gain of \$79.1 million, or \$.37 per share, on the sale of the polyvinyl alcohol business.
- (d) Excludes an after-tax gain of \$79.1 million, or \$.37 per share, on the sale of the polyvinyl alcohol business, an after-tax charge of \$456.5 million, or \$2.12 per share, for costs related to the BOC transaction, an after-tax charge of \$35.0 million, or \$.16 per share, for a global cost reduction plan, and an after-tax gain of \$4.0 million, or \$.02 per share, on the sale of packaged gas facilities.

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

(Millions of dollars, except per share)

	Three Months Ended 30 September 2001 2000		Twelve Months Ended 30 September 2001 2000	
SALES AND OTHER INCOME Sales	\$1,361.7	\$1,449.1	\$5,717.2	\$5,467.1
Other income (expense), net	(6.9)	19.0	5.5	28.4
	1,354.8	1,468.1	5,722.7	5,495.5
COSTS AND EXPENSES				
Cost of sales	968.5	1,029.2	4,102.7	3,825.6
Selling and administrative	215.8	177.5	752.1	714.7
Research and development	32.2	32.1	122.5	124.4
OPERATING INCOME	138.3	229.3	745.4	830.8
Income from equity affiliates, net of related expenses	21.6	25.6	81.2	87.6
Gain on divestiture of interest in cogeneration facilities	101.6		101.6	
Loss on currency hedges related to BOC transaction and expenses				730.4
Gain on sale of polyvinyl alcohol business		126.8		126.8
Interest expense	43.8	55.7	191.2	196.7
INCOME BEFORE TAXES AND MINORITY INTEREST	217.7	326.0	737.0	118.1
Income taxes (benefits)	66.9	106.5	219.0	(13.7)
Minority interest (a)	. 4	1.0	5.1	7.6
INCOME BEFORE EXTRAORDINARY ITEM	150.4	218.5	512.9	124.2
Extraordinary item - loss on early retirement of debt, net of income tax benefit of \$28.5	47.3		47.3	
NET INCOME	\$103.1	\$218.5	\$465.6	\$124.2
BASIC EARNINGS PER COMMON SHARE: Income before extraordinary item Extraordinary item	\$.70 (.22)	\$1.02 	\$2.39 (.22)	\$.58
NET INCOME	\$.48	\$1.02	\$2.17	\$.58

	Three Months Ended 30 September		Twelve Months Ended 30 September	
	2001	2000	2001	2000
DILUTED EARNINGS PER COMMON SHARE: Income before extraordinary item Extraordinary item	\$.68 (.21)	\$1.01 	\$2.33 (.21)	\$.57
NET INCOME	\$.47	\$1.01	\$2.12	\$.57
WEIGHTED AVERAGE NUMBER OF COMMON SHARES (in millions)	215.5	213.8	214.8	213.4
WEIGHTED AVERAGE NUMBER OF COMMON AND COMMON EQUIVALENT SHARES (in millions) (b)	220.0	217.2	219.3	216.2
DIVIDENDS DECLARED PER COMMON SHARE - Cash	\$.20	\$.19	\$.78	\$.74

⁽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)

		30 September		
ASSETS	2001	2000		
CURRENT ASSETS Cash and cash items	\$66.2	\$94.1		
Trade receivables, less allowances for	913.6	982.7		
doubtful accounts				
Inventories and contracts in progress	478.4	482.2		
Other current assets	226.6	246.0		
TOTAL CURRENT ASSETS	1,684.8	1,805.0		
INVESTMENTS IN NET ASSETS OF AND ADVANCES TO EQUITY AFFILIATES	499.5	466.6		
PLANT AND EQUIPMENT, at cost	10,226.5	10,310.9		
Less - Accumulated depreciation	5,108.0	5,054.2		
PLANT AND EQUIPMENT, net	5,118.5	5,256.7		
GOODWILL AND OTHER NONCURRENT ASSETS	771.6	742.2		
TOTAL ASSETS	\$8,074.4			
	=======================================	=======================================	=======================================	
LIABILITIES AND SHAREHOLDERS' EQUITY				
CURRENT LIABILITIES				
Payables, trade and other	\$512.2	\$578.4		
Accrued liabilities	341.6	357.2		
Accrued income taxes	48.4	10.0		
Short-term borrowings	255.7	249.7		
Current portion of long-term debt	194.5	179.5		
TOTAL CURRENT LIABILITIES	1,352.4	1,374.8		
LONG-TERM DEBT	2,027.5	2,615.8		
DEFERRED INCOME & OTHER NONCURRENT LIABILITIES	677.1	561.3		
DEFERRED INCOME TAXES	784.1	781.8		
TOTAL LIABILITIES	4,841.1	5,333.7		
MINORITY INTERESTS IN SUBSIDIARY COMPANIES	118.0	115.5		
TOTAL SHAREHOLDERS' EQUITY	3,115.3	2,821.3		
TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY	\$8,074.4	\$8,270.5		

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

(Millions of dollars)

	Twelve Months Ended 30 September	
	2001 	2000
OPERATING ACTIVITIES		
Income before Extraordinary Item	\$512.9	\$124.2
Adjustments to reconcile income to cash provided by operating activities:		
Depreciation	573.0	575.7
Deferred income taxes	39.0	(5.5)
Loss on BOC transaction	·	706.1
Undistributed earnings of unconsolidated affiliates	(46.2)	(49.9)
(Gain) on sale of assets and investments	(104.7)	(138.6)
Other	36.5	100.8
Working capital changes that provided (used) cash, net of effects of acquisitions		
Trade receivables	63.7	(158.5)
Inventories and contracts in progress	2.6	(57.4)
Payables, trade and other	(75.6)	92.1
Other	82.8	(15.0)
CASH PROVIDED BY OPERATING ACTIVITIES	1,084.0	1,174.0
INVESTING ACTIVITIES		
Additions to plant and equipment (a)	(708.3)	(767.7)
Acquisitions, less cash acquired (b)	(59.2)	(170.4)
Investment in and advances to unconsolidated affiliates	(38.3)	(5.6)
BOC transaction costs		(665.8)
Proceeds from sale of assets and investments	497.0	381.8
Other	31.1	.1
CASH USED FOR INVESTING ACTIVITIES	(277.7)	(1,227.6)
FINANCING ACTIVITIES		
Long-term debt proceeds	121.0	820.9
Payments on long-term debt	(796.6)	(418.0)
Net (decrease) increase in commercial paper and short-term borrowings	` 8.0´	(182.1)
Purchase of treasury stock	(87.3)	·
Dividends paid to shareholders	(165.2)	(155.7)
Other	87.2	15.0
CASH (USED FOR) PROVIDED BY FINANCING ACTIVITIES	(832.9)	80.1
Effect of Exchange Rate Changes on Cash	(1.3)	6.0
Increase in Cash and Cash Items		32.5
Cash and Cash Items - Beginning of Year	(27.9) 94.1	61.6
		01.0
Cash and Cash Items - End of Period	\$66.2	\$94.1

⁽a) Excludes capital lease additions of \$.5 million and \$4.9 million in fiscal 2001 and 2000, respectively.

⁽b) Excludes \$24.4 million of long-term debt assumed in acquisitions in fiscal 2000.

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

All per share amounts are calculated on a diluted earnings per share basis.

In August 2001, the company retired \$459.6 million principal amount of various medium term notes - series D, E, and F as well as \$81.5 million of the 8.75% debenture for an aggregate principle retirement of \$541.1 million. The results for the three and twelve months ended 30 September 2001 included an extraordinary loss of \$47.3 million (\$.21 per share) as a result of the early retirement of debt, consisting principally of retirement premiums, net of a tax benefit of \$28.5 million.

The results for the three months ended 30 September 2001 included a charge of \$78.3 million (\$47.3 million after-tax, or \$.21 per share) for a global cost reduction plan. This charge includes \$57.2 million for severance benefits and pension plan settlements, and \$21.1 million for asset impairments and related restructuring charges. The company will eliminate 359 positions. The restructuring charges included in cost of sales, selling and administrative, research and development, and other expense were \$12.5 million, \$44.0 million, \$.7 million, and \$21.1 million, respectively.

In September 2001, the company sold and leased back certain U.S. cryogenic manufacturing equipment for \$301.9 million. This operating lease has a five-year term with purchase and renewal options.

The results for the twelve months ended 30 September 2001 included a charge of \$109.2 million (\$67.3 million after-tax, or \$.31 per share) for a global cost reduction plan. This charge includes \$79.6 million for severance benefits and pension plan settlements, and \$29.6 million for asset impairments and related restructuring charges. The company will eliminate 670 positions. The restructuring charges included in cost of sales, selling and administrative, research and development, and other expense were \$26.9 million, \$53.4 million, \$.7 million, and \$28.2 million, respectively. The results for the twelve months ended 30 September 2001, also included a charge of \$6.0 million (\$3.7 million after-tax, or \$.02 per share) related to a litigation settlement.

The results for the three and twelve months ended 30 September 2001 included a gain of \$101.6 million (\$64.6 million after-tax, or \$.29 per share) related to the sale of the fifty percent interest in two cogeneration facilities located in Cambria County, Pennsylvania and Orlando, Florida.

Income from equity affiliates, exclusive of the gain on divestiture and net of related expenses, contributed \$.09 and \$.11 to diluted earnings per share for the three months ended 30 September 2001 and 2000, respectively. Income from equity affiliates exclusive of the gain on divestiture and net of related expenses, contributed \$.34 and \$.37 to diluted earnings per share for the twelve months ended 30 September 2001 and 2000, respectively.

The company, The BOC Group plc (BOC) and L'Air Liquide S.A. (Air Liquide) of France announced in July 1999 that they had agreed to the terms of a recommended offer for the share capital of BOC. In May 2000, the company and Air Liquide announced that the Federal Trade Commission had indicated it would not approve the offer by 12 May 2000, the date on which the period for satisfying the preconditions to the offer would expire, and the offer was not extended beyond 12 May 2000. The results for the twelve months ended 30 September 2000 included a charge of \$730.4 million (\$456.5 million after-tax, or \$2.12 per share) for costs related to the BOC transaction. These costs consisted primarily of charges recorded on purchased option and forward exchange contracts entered into to hedge the currency exposure of the BOC transaction.

The company had a net tax benefit for the fiscal year ended 30 September 2000. The net benefit resulted from the loss on the BOC transaction, as well as tax credits and adjustments. Excluding the impact of the BOC transaction and other special items, the fiscal 2000 effective tax rate was 30.2%, after minority interest of \$7.6 million. The effective tax rate for fiscal 2001, excluding special items, was 30.0%, after minority interest of \$5.1 million.

The results for the twelve months ended 30 September 2000 included a charge of \$55.4 million (\$35.0 million after-tax, or \$.16 per share) for the global cost reduction plan and a gain of \$6.3 million (\$4.0 million after-tax, or \$.02 per share) related to the sale of packaged gas facilities. The restructuring charges included in cost of sales, selling and administrative, research and development, and other expenses were \$20.6 million, \$25.4 million, \$1.9 million, and \$7.5 million, respectively.

The results for the three and twelve months ended 30 September 2000 included a gain of \$126.8\$ million (\$79.1\$ million after-tax, or \$.37 per share) on the sale of the polyvinyl alcohol business to Celanese AG, for \$326 million.

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

Business segment information is shown below:

(Millions of dollars)	Three Mont		Twelve Months Ended 30 September	
	30 Sept 2001	.ember 2000 	2001	.eiiber 2000
Revenues from external customers				
Gases	\$924.7	\$948.0	\$3,944.0	\$3,465.5
Equipment	72.5	59.4	250.4	228.8
Chemicals	364.5	441.7	1,522.8	1,772.8
Segment Totals	1,361.7	1,449.1	5,717.2	5,467.1
Consolidated Totals	\$1,361.7	\$1,449.1	\$5,717.2	\$5,467.1
Operating income				
Gases	\$131.5	\$191.5	\$654.9	\$673.1
Equipment	2.7 17.1	6.7 35.7	10.0 112.3	9.9 182.1
Chemicals	1/.1	აɔ./	112.3	182.1
Segment Totals	151.3	233.9	777.2	865.1
Corporate research and development and other income/(expense)	(13.0)	(4.6)	(31.8)	(34.3)
Consolidated Totals	\$138.3	\$229.3	\$745.4	\$830.8
Operating income (excluding special items)				
Gases	\$174.3(a)	\$191.5	\$724.0(b)	\$698.8(d)(e)
Equipment	4.7(a)	6.7	12.0(b)	16.8(d)
Chemicals	41.1(a)	35.7	140.9(b)	197.7(d)
Segment Totals	220.1	233.9	876.9	913.3
Corporate research and development and other income/(expense)	(3.5)(a)	(4.6)	(16.3)(b)(c)	(33.4)(d)
Consolidated Totals	\$216.6	\$229.3	\$860.6	\$879.9
Equity affiliates' income				
Gases	\$18.6	\$21.0	\$71.7	\$73.6
Equipment	.7	.2	2.0	2.0
Chemicals	2.3	3.8	7.5	12.5
Segment Totals	21.6	25.0	81.2	88.1
Other		. 6		(.5)
Consolidated Totals	\$21.6	\$25.6	\$81.2	\$87.6

(Millions of dollars)	30 Sep	tember
	2001	2000
Total assets		
Gases	\$6,320.9	\$6,236.0
Equipment	188.7	236.6
Chemicals	1,436.2	1,505.2
Segment Totals	7,945.8	7,977.8
Corporate assets	128.6	292.7
Consolidated Totals	\$8,074.4	\$8,270.5
	Twelve Mont 30 Sep	
	2001	2000
 ORONA(f)		
Gases	12.3%	12.1%
Equipment	5.5%	7.1%
Chemicals	9.8%	12.3%
Segment Totals	11.6%	12.1%
Consolidated Totals	11.1%	11.1%

- (a) The results for the three months ended 30 September 2001 exclude a cost reduction charge in gases (\$42.8 million), equipment (\$2.0 million), chemicals (\$24.0 million), and corporate (\$9.5 million).

 The results for the twelve months ended 30 September 2001 exclude a cost
- reduction charge in gases (\$69.1 million), equipment (\$2.0 million), chemicals (\$28.6 million), and corporate (\$9.5 million). The results for the twelve months ended 30 September 2001 exclude a
- (c) litigation settlement charge of \$6.0 million.
- (d) The results for the twelve months ended 30 September 2000 exclude a cost reduction charge in gases (\$32.0 million), equipment (\$6.9 million), chemicals (\$15.6 million), and corporate (\$.9 million).

 The results for the twelve months ended 30 September 2000 exclude a gain on the calc of proceedings for the twelve months ended 30 September 2000 exclude a gain on
- the sale of packaged gas facilities of \$6.3 million.

 (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. The ORONA calculation excludes all special items impacting operating income.

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

(Millions of dollars)

	Three Months Ended 30 September		Twelve Months Ended 30 September	
	2001	2000	2001	2000
Revenues from external customers				
United States	\$890.2	\$973.0	\$3,824.7	\$3,628.8
United Kingdom	115.1	115.9	440.1	483.8
Spain	72.4	69.5	295.1	300.7
Other Europe	143.0	142.1	581.9	559.8
Total Europe	330.5	327.5	1,317.1	1,344.3
Canada/Latin America	60.3	66.8	243.5	240.6
Asia	80.6	81.8	331.6	253.1
All Other	.1		.3	.3
rotal	\$1,361.7	\$1,449.1	\$5,717.2	\$5,467.1

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

Media Inquiries:

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

Investor Inquiries:

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

The Q4 earnings teleconference following the earnings release which started at 11:00 a.m. EDST on October 22, 2001 can 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 October 31, 2001.

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 October 2001 By: /s/Leo J. Daley

Leo J. Daley Vice President - Finance and Controller (Chief Financial Officer)

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