
**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 10, 2008**

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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Item 8.01. Other Events.

Air Products and Chemicals, Inc. (the “Company”) is reporting its U.S. healthcare business as discontinued operations beginning in the fourth quarter of fiscal 2008. On October 10, 2008, the unaudited restated historical financial information was posted to the Company’s website at <http://www.airproducts.com/Invest/financialnews/segment.htm>. A copy is attached as Exhibit 99.1 to this Form 8-K. The exhibit contains a presentation of certain unaudited financial information excluding discontinued operations which is being furnished in accordance with Rule 101(e)(1) under Regulation FD and shall not be deemed to be “filed” for purposes of Section 18 of the Securities Act of 1934, as amended, and will not be incorporated by reference into any registration statement filed under the Securities Act of 1933, as amended, unless specifically identified therein as being incorporated by reference.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

99.1 Unaudited Historical Financial Information — Continuing Operations.

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 10, 2008

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

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<u>Exhibit No.</u>	<u>Description</u>
99.1	Unaudited Historical Financial Information — Continuing Operations.

Unaudited Consolidated Summary Financial Information

(Millions of dollars, except per share data)	FY 2008			FY 2007				Total	FY 2006
	Q1	Q2	Q3	Q1	Q2	Q3	Q4		Total
Sales	2,407.4	2,542.7	2,749.7	2,198.3	2,229.7	2,348.9	2,371.3	9,148.2	7,885.0
Selling and administrative	258.5	272.1	284.4	237.9	246.9	257.5	257.5	999.8	891.5
Operating Income	380.4	348.6	393.7	321.6	313.6	360.0	380.4	1,375.6	1,041.9
Income from Continuing Operations	262.3	259.8	295.0	223.6	220.0	280.4	295.6	1,019.6	734.1
Discontinued Operations	1.4	54.5	(224.9)	6.7	7.6	4.5	(2.8)	16.0	(4.5)
Cumulative Effect of Accounting Change									(6.2)
Net Income	263.7	314.3	70.1	230.3	227.6	284.9	292.8	1,035.6	723.4

Basic Earnings per Common Share

Income from Continuing Operations	\$ 1.22	\$ 1.22	\$ 1.40	\$ 1.03	\$ 1.02	\$ 1.30	\$ 1.37	\$ 4.72	\$ 3.31
Discontinued Operations	\$ 0.01	\$ 0.26	\$ (1.07)	\$ 0.03	\$ 0.03	\$ 0.02	\$ (0.01)	\$ 0.07	\$ (0.02)
Cumulative Effect of Accounting Change									\$ (0.03)
Net Income	\$ 1.23	\$ 1.48	\$ 0.33	\$ 1.06	\$ 1.05	\$ 1.32	\$ 1.36	\$ 4.79	\$ 3.26

Diluted Earnings per Common Share

Income from Continuing Operations	\$ 1.18	\$ 1.18	\$ 1.35	\$ 1.00	\$ 0.99	\$ 1.26	\$ 1.32	\$ 4.57	\$ 3.23
Discontinued Operations	\$ 0.01	\$ 0.25	\$ (1.03)	\$ 0.03	\$ 0.03	\$ 0.02	\$ (0.01)	\$ 0.07	\$ (0.02)
Cumulative Effect of Accounting Change									\$ (0.03)
Net Income	\$ 1.19	\$ 1.43	\$ 0.32	\$ 1.03	\$ 1.02	\$ 1.28	\$ 1.31	\$ 4.64	\$ 3.18

Business Segments

Previously, the Company reported results for a Healthcare segment. Beginning with the fourth quarter of 2008, the U.S. Healthcare business is accounted for as discontinued operations. The results of operations and asset information for this business have been removed from continuing operations for the periods presented below. Also beginning with the fourth quarter of 2008, the European Healthcare business is reported as part of the Merchant Gases segment. Prior period information presented below has been restated to reflect this business reorganization.

Unaudited Historical Financial Information — Continuing Operations

(Millions of dollars)	Q1	FY 2008 Q2	Q3	Q1	Q2	FY 2007 Q3	Q4	Total	FY 2006 Total	FY 2005 Total	FY 2004 Total
SALES											
Merchant Gases	1,001.7	1,008.7	1,087.3	826.3	873.3	908.4	948.9	3,556.9	3,002.8	2,716.0	2,445.4
Tonnage Gases	791.1	867.2	975.8	689.5	695.8	775.7	775.7	2,936.7	2,544.7	2,130.8	1,868.0
Electronics and Performance Materials	514.3	562.1	579.7	486.9	528.8	530.5	522.5	2,068.7	1,801.0	1,605.7	1,504.2
Equipment and Energy	100.3	104.7	106.9	195.6	131.8	134.3	124.2	585.9	536.5	369.4	345.6
Total	2,407.4	2,542.7	2,749.7	2,198.3	2,229.7	2,348.9	2,371.3	9,148.2	7,885.0	6,821.9	6,163.2
Operating Income											
Merchant Gases	199.8	189.2	204.3	155.5	155.6	165.7	179.6	656.4	517.3		
Tonnage Gases	111.1	111.1	125.5	95.4	92.2	120.6	155.0	463.2	371.7		
Electronics and Performance Materials	66.0	67.6	70.4	49.8	56.5	62.1	60.8	229.2	190.0		
Equipment and Energy	9.3	10.0	4.0	26.8	16.4	15.8	17.8	76.8	68.9		
Other	(4.4)	(3.0)	(9.5)	(5.9)	(7.1)	(4.2)	(8.8)	(26.0)	(35.0)		
Global Cost Reduction Plan							(13.7)	(13.7)	(71.0)		
Pension Settlement	(1.4)	(26.3)	(1.0)				(10.3)	(10.3)	0.0		
Total	380.4	348.6	393.7	321.6	313.6	360.0	380.4	1,375.6	1,041.9		
Identifiable Assets											
Merchant Gases	4,652.5	4,900.9	5,071.5	3,827.9	3,894.2	4,388.7	4,439.4		3,658.5		
Tonnage Gases	3,391.4	3,448.7	3,494.6	2,988.0	3,031.3	3,221.9	3,328.4		3,028.6		
Electronics and Performance Materials	2,425.0	2,515.4	2,466.1	2,271.6	2,340.7	2,381.7	2,435.3		2,245.7		
Equipment and Energy	376.2	368.3	344.8	345.7	316.9	299.0	362.6		304.4		
Other	535.6	654.6	704.7	435.2	635.5	597.4	402.5		339.8		
Total	11,380.7	11,887.9	12,081.7	9,868.4	10,218.6	10,888.7	10,968.2		9,577.0		

Business Segments
BEFORE HEALTHCARE RESTATEMENT FOR REFERENCE

(Millions of dollars)	Q1	FY 2008 Q2	Q3	Q1	Q2	FY 2007 Q3	Q4	Total	FY 2006 Total	FY 2005 Total	FY 2004 Total
SALES											
Merchant Gases	897.0	901.6	973.4	740.0	784.5	817.1	854.8	3,196.4	2,712.8	2,468.0	2,230.3
Tonnage Gases	791.1	867.2	975.8	689.5	695.8	775.7	775.7	2,936.7	2,544.7	2,130.8	1,868.0
Electronics and Performance Materials	514.3	562.1	579.7	486.9	528.8	530.5	522.5	2,068.7	1,801.0	1,605.7	1,504.2
Equipment and Energy	100.3	104.7	106.9	195.6	131.8	134.3	124.2	585.9	536.5	369.4	345.6
Healthcare	170.9	169.7	172.2	155.8	157.1	158.6	160.1	631.6	570.8	544.7	438.2
Total	2,473.6	2,605.3	2,808.0	2,267.8	2,298.0	2,416.2	2,437.3	9,419.3	8,165.8	7,118.6	6,386.3
Operating Income											
Merchant Gases	175.4	166.9	177.2	139.2	141.2	147.4	159.5	587.3	470.0		
Tonnage Gases	111.1	111.1	125.5	95.4	92.2	120.6	155.0	463.2	371.7		
Electronics and Performance Materials	66.0	67.6	70.4	49.8	56.5	62.1	60.8	229.2	190.0		
Equipment and Energy	9.3	10.0	4.0	26.8	16.4	15.8	17.8	76.8	68.9		
Healthcare	13.6	9.4	(301.7)	9.4	7.0	8.5	8.8	33.7	8.4		
Other	(2.0)	(0.5)	(6.8)	(3.2)	(4.7)	(2.0)	(4.8)	(14.7)	(25.4)		
Global Cost Reduction Plan							(13.7)	(13.7)	(72.1)		
Pension Settlement	(1.4)	(26.3)	(1.0)				(10.3)	(10.3)	0.0		
Total	372.0	338.2	67.6	317.4	308.6	352.4	373.1	1,351.5	1,011.5		
Identifiable Assets											
Merchant Gases	4,175.6	4,387.4	4,555.1	3,429.7	3,477.7	3,943.8	3,984.4		3,283.2		
Tonnage Gases	3,391.4	3,448.7	3,494.6	2,988.0	3,031.3	3,221.9	3,328.4		3,028.6		
Electronics and Performance Materials	2,425.0	2,515.4	2,466.1	2,271.6	2,340.7	2,381.7	2,435.3		2,245.7		
Equipment and Energy	376.2	368.3	344.8	345.7	316.9	299.0	362.6		304.4		
Healthcare	938.1	968.5	642.9	878.0	895.0	914.3	918.9		856.5		
Other	535.3	654.4	704.4	426.5	627.0	597.0	402.3		332.3		
Total	11,841.6	12,342.7	12,207.9	10,339.5	10,688.6	11,357.7	11,431.9		10,050.7		

Business Segments
CHANGES DUE TO HEALTHCARE RESTATEMENT

(Millions of dollars)	Q1	FY 2008 Q2	Q3	Q1	Q2	FY 2007 Q3	Q4	Total	FY 2006 Total	FY 2005 Total	FY 2004 Total
SALES											
Merchant Gases	104.7	107.1	113.9	86.3	88.8	91.3	94.1	360.5	290.0	248.0	215.1
Tonnage Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electronics and Performance Materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equipment and Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Healthcare	(170.9)	(169.7)	(172.2)	(155.8)	(157.1)	(158.6)	(160.1)	(631.6)	(570.8)	(544.7)	(438.2)
Total	(66.2)	(62.6)	(58.3)	(69.5)	(68.3)	(67.3)	(66.0)	(271.1)	(280.8)	(296.7)	(223.1)
Operating Income											
Merchant Gases	24.4	22.3	27.1	16.3	14.4	18.3	20.1	69.1	47.3		
Tonnage Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Electronics and Performance Materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Equipment and Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Healthcare	(13.6)	(9.4)	301.7	(9.4)	(7.0)	(8.5)	(8.8)	(33.7)	(8.4)		
Other	(2.4)	(2.5)	(2.7)	(2.7)	(2.4)	(2.2)	(4.0)	(11.3)	(9.6)		
Global Cost Reduction Plan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1		
Pension Settlement	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total	8.4	10.4	326.1	4.2	5.0	7.6	7.3	24.1	30.4		
Identifiable Assets											
Merchant Gases	476.9	513.5	516.4	398.2	416.5	444.9	455.0		375.3		
Tonnage Gases	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		
Electronics and Performance Materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		
Equipment and Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		
Healthcare	(938.1)	(968.5)	(642.9)	(878.0)	(895.0)	(914.3)	(918.9)		(856.5)		
Other	0.3	0.2	0.3	8.7	8.5	0.4	0.2		7.5		
Total	(460.9)	(454.8)	(126.2)	(471.1)	(470.0)	(469.0)	(463.7)		(473.7)		