Investor Update

Paul E. Huck Senior Vice President and Chief Financial Officer

J. P. Morgan

Diversified Industries Conference

June 8, 2011





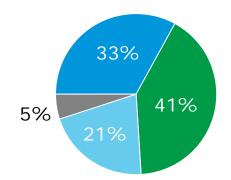
Forward Looking Statement

Note: This presentation contains "forward-looking statements" within the safe harbor provisions of the Private Securities Litigation Reform Act of 1995, including earnings guidance, projections and targets. These forward-looking statements are based on management's reasonable expectations and assumptions as of the date this release is issued regarding important risk factors. Actual performance and financial results may differ materially from projections and estimates expressed in the forward-looking statements because of many factors not anticipated by management, including, without limitation, slowing of global economic recovery; renewed deterioration in economic and business conditions; weakening demand for the Company's products; future financial and operating performance of major customers and industries served by the Company; unanticipated contract terminations or customer cancellations or postponement of projects and sales; the success of commercial negotiations; asset impairments due to economic conditions or specific product or customer events; the impact of competitive products and pricing; interruption in ordinary sources of supply of raw materials; the ability to recover unanticipated increased energy and raw material costs from customers; costs and outcomes of litigation or regulatory activities; successful development and market acceptance of new products and applications, the ability to attract, hire and retain qualified personnel in all regions of the world where the Company operates; consequences of acts of war or terrorism impacting the United States and other markets; the effects of a natural disaster; the success of cost reduction and productivity programs and achieving anticipated acquisition synergies; the timing, impact, and other uncertainties of future acquisitions or divestitures; significant fluctuations in interest rates and foreign currencies from that currently anticipated; the continued availability of capital funding sources in all of the Company's foreign operations; the impact of environmental, healthcare, tax or other legislation and regulations in jurisdictions in which the Company and its affiliates operate; the impact of new or changed financial accounting guidance; the timing and rate at which tax credits can be utilized and other risk factors described in the Company's Form 10K for its fiscal year ended September 30, 2010. The Company disclaims any obligation or undertaking to disseminate any updates or revisions to any forward-looking statements contained in this document to reflect any change in the Company's assumptions, beliefs or expectations or any change in events, conditions, or circumstances upon which any such forward-looking statements are based. (IU)



Air Products At a Glance

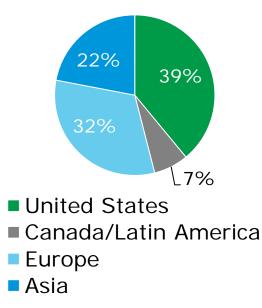
Business Segment Sales



- Tonnage
- Merchant
- Electronics & Performance Materials
- Equipment & Energy
 - \$9B company
 - Diverse markets and geographies
 - Positioned for continued long-term value creation



Geographic Sales



Air Products Value Proposition Profitable Growth

- Stability
 - Long term contracts
 - Consistent and predictable cash flows
 - Strong balance sheet
- Growth
 - Energy opportunities
 - Environmental solutions
 - Emerging markets
- Improving returns
 - Margin improvement
 - Productivity
 - Increasing dividends







Air Products Supply Modes Stability and Profitable Growth

Onsite/Pipeline



15-20 year Contracts Limited Volume Risk Energy Pass through

Package Gases & Specialty Materials



Short-Term Contracts Differentiated Positions

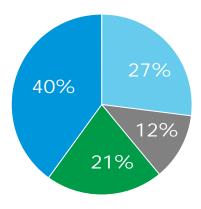




3-5 year Contracts Cost Recovery



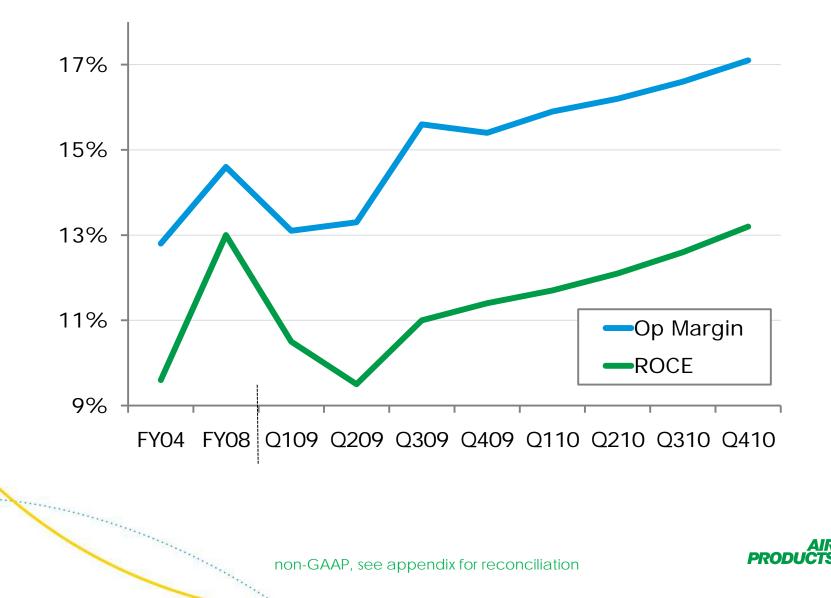
Sale of Equipment PO Based



- Onsite/Pipeline
- Packaged Gases & Specialty Material
- Equipment & Services
- Liquid/Bulk



Financial Performance



6

Q2 Financials

		Fav/(Unf	av) vs.
(\$millions, excluding items)	<u>Q2 FY11</u>	<u>Q2 FY10</u>	Q1 FY11
Sales	\$2,501	11%	5%
- Volume		11%	2%
- Price		1%	1%
- Energy/RM pass-thru		(2%)	1%
- Currency		1%	1%
Operating Income	\$425	17%	5%
Operating Margin	17.0%	80bp	10bp
Net Income	\$309	16%	4%
Diluted EPS (\$/share)	1.41	15%	4%
ROCE	13.3%	110bp	10bp

Non-GAAP, see appendix for reconciliation.



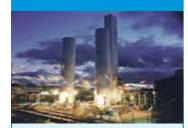
Macro Trends Drive Growth

Hydrogen Energy



- Leading refinery H₂ supplier
- Leader in H₂ fueling infrastructure; gamechanging compressionless H₂ fueling technology

Large-scale O₂



- Clean / efficient combustion
- Gasification (IGCC, GTL, CTL, CTC)
- Oxyfuel / carbon capture

Electronic Materials



- Semiconduct or and TFT-LCD materials
- SunSource[™] solutions for PV; driving for grid parity

Clean Water



- Wastewater, drinking water and water reuse
- Halia[™] ozonebased advanced oxidation technology

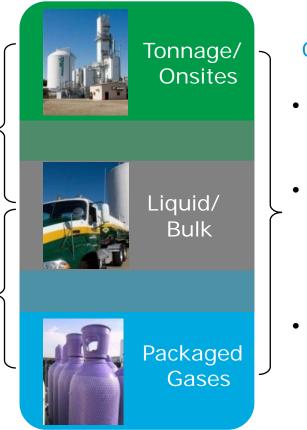
Energy, Environmental and Emerging Markets



Integrated Industrial Gas Model provides real benefits – locally and globally

Supply Chain Leverage

- Co-product economics
- Liquid back-up
- Density
- Product supply/outlet
- Molecule balance



Market Opportunity

- New segments
 PG only
 - Bundled
- Sales
 - Greater presence
 - Cross-selling opportunities
- Brand recognition

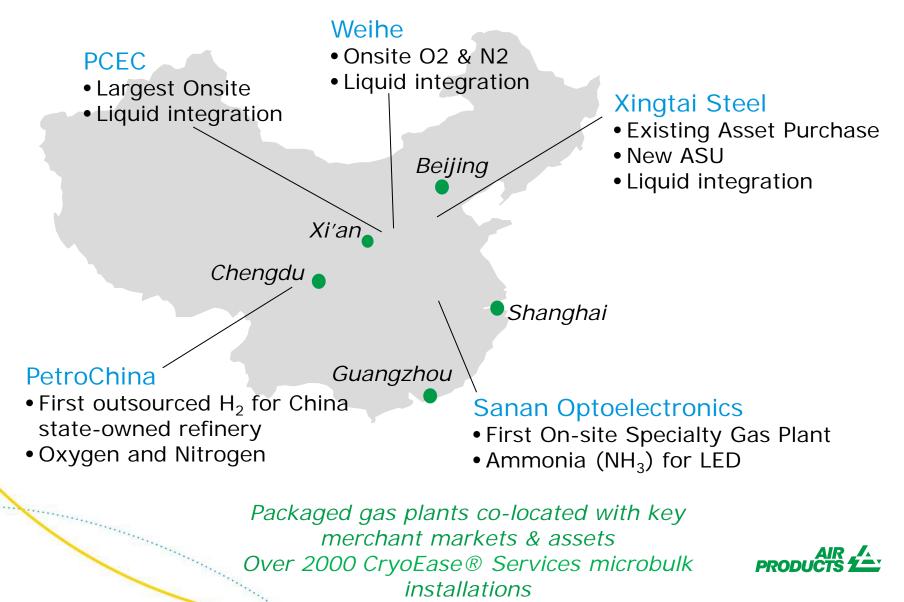
Global Scale

- Innovation
- Productivity and best practices
- Enterprise systems & processes

Outcome = Higher Growth and Higher Profitability



Integrated Model in China



Equity Affiliates \$2.3B revenue on 100% basis Important Source of Growth

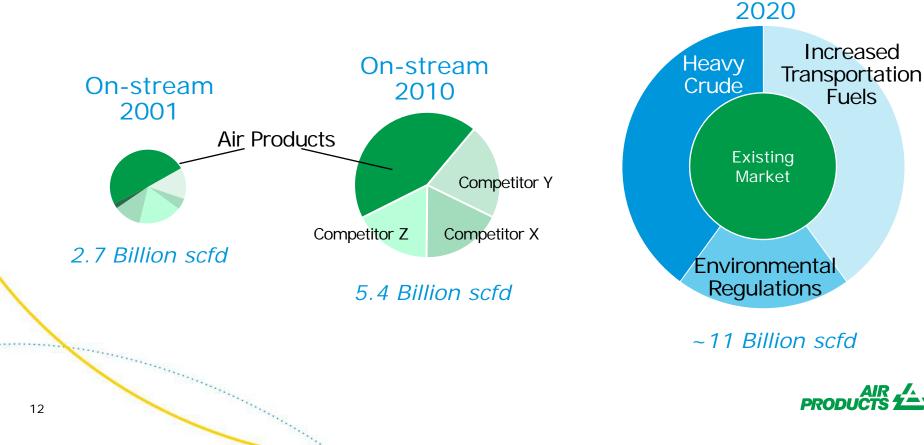


Air Products: #1 Global H₂ Position in high growth market

• Maintained 40+% share over 20 years (2 x closest competitor)

On-stream

- Significant Global Pipeline Networks
- Highly probable Market Growth Drivers



Global H₂ Market Growth* ~10 BSCFD More geographically dispersed vs. earlier H₂ investments

2800 MM scfd U.S. & Canada 800 MM scfd Europe

2500 MM scfd Asia

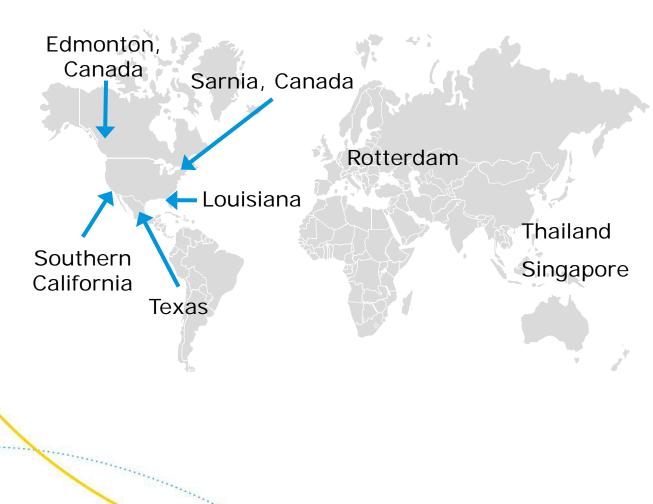
1500 MM scfd Latin America

2500 MM scfd Middle East & India

*Based on estimates of H₂ 2008 -2018 awards, on-stream by 2020



Hydrogen Pipeline Networks Leading Global Hydrogen Provider

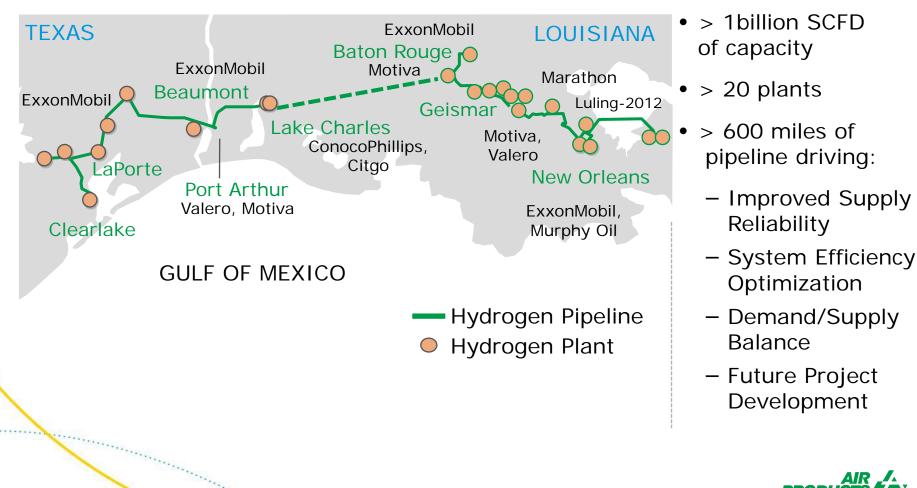


Increasing Refineries Global Competitiveness via:

- Higher Reliability
- Greater
 Flexibility
- Improved Efficiency
- Economies of Scale



Air Products (Texas-Louisiana) USGC H₂ Pipeline Networks - 2010 / 2012



Tonnage Gases Significant New Markets for Oxygen

 Steel New Market Growth for - Asian infrastructure growth Oxygen - Mill modernization Gasification 15% - Power 40% - Feedstock independence - Low BTU hydrocarbons 45% Cleaner coal - Power - CO₂ capture Steel Gasification 200,000-300,000 tons-per-day new Clean Coal oxygen capacity by 2018 100⁺ new plants



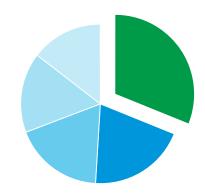
Merchant Gases Strong growth in Asia

- Largest Liquid/Bulk Share in China among global majors
- Leading Merchant positions in Taiwan, Korea and Thailand
- Leading Merchant Gases supplier in India
- Generating growth through applications and product expertise



Asia Merchant Revenues (\$ MM)

China Liquid Share 2009 -Majors



- Air Products
- Competitor 1
- Competitor 2
- Competitor 3
- Competitor 4



Merchant Gases Applications technology drives higher growth



Electronics Revenue > \$1Billion



Enabling Equipment



Specialty Gases & Chemicals



FY10 Revenue

11% Onsite Gas Supply

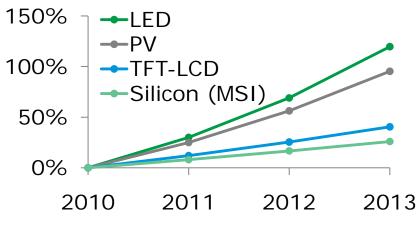
29%

- Specialty Gases & Chemicals
- Enabling Equipment

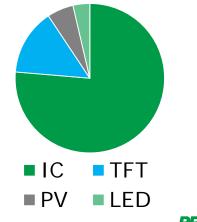


Electronics High Growth Markets

- Growth across all key markets ¹⁵⁰
 IC silicon (MSI) = 8%
 - IC silicon (MSI) = 8% - TFT-LCD = 12%
 - PV = 25%
 - -PV = 25%- LED = 30%
- Majority positions with industry leaders
 #1 in IC, TFT-LCD and foundry
- #1 in Electronic industry powerhouses Korea and Taiwan
- New IP Product Development to meet customer technology needs



2010 Revenue



RODUCTS 2

Performance Materials Earth-Friendly Solutions

Replacing Toxic or Emitting Materials



- Water-based construction materials
- Low emission polyurethane foams
- Low toxicity coatings additives

Higher Efficiency Insulation Materials



- Reduced energy consumption
- Lower carbon footprint buildings

Renewable Content



- Natural-based surfactants for I&I cleaning
- Enabling vegetable base polyols for polyurethane foams



Energy & Equipment Leveraging Sustainable Global Trends

Alt Fuel H₂/CNG/ LNG/HCNG



Existing Products + Innovation : Solutions for New Markets

Energy from Waste



Leverage Experience and Technology for Renewable Power Carbon Capture and Storage



Leveraging Leadership and External Funding Globally **BF** Plus



New Offering for Steel Industry



Sustainability at Air Products

Business Value



Providing innovative solutions for the world's most pressing challenges

Environmental Stewardship



Responsibly managing our footprint through improvements and aggressive goals

Social Responsibility



Improving the quality of life for our employees and plant communities

Governance



Working with integrity and accountability for our stakeholders

Water

- Reduce consumption 10% globally by 2015
- Greenhouse Gases
 - Reduce by 7% indexed against production by 2015



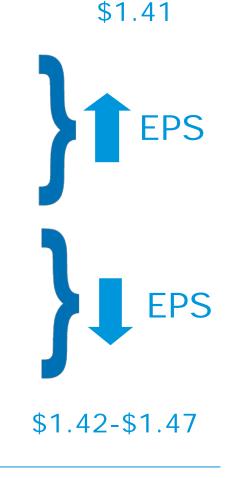
Outlook

FQ2 2011 EPS

- Higher Merchant volumes
- Improved cost performance
- Higher E&PM volumes
- Lower tax rate
- Tonnage lower bonuses and higher maintenance costs
- Lower Equipment results
- Japan uncertainty

FQ3 2011 EPS

FY 2011 EPS



\$5.65-\$5.75





The Air Products opportunity

Stability

- Long term contracts, consistent and predictable cash flow
- Diversified across markets, geographies and distribution channels
- Global opportunity to create competitive positions in all three supply modes

and a second second

Growth

- Solid backlog and strong growth opportunities in all geographies
- New growth opportunities in energy, environment and emerging markets
- Integrated model delivers higher growth and profitability

Results

- Double-digit EPS growth
- ROCE 3-5% above cost of capital
- Continued margin and return improvement

Well positioned for long-term value creation



Appendix Slides

Non GAAP Appendix: ROCE FY04 and FY08

\$ Millions			FY04						FY08		
Quarter Ended	<u>Q403</u>	<u>Q104</u>	<u>0204</u>	<u>Q304</u>	<u>Q404</u>		<u>Q407</u>	<u>Q108</u>	<u>0208</u>	<u>0308</u>	<u>Q408</u>
<u>Numerato</u> r		101 7	200.2	221.2	222.7			200.4	240 (202 7	272.1
Operating Income Reported		181.7	200.2	231.3	223.7			380.4	348.6	393.7	373.1
Equity Affiliate Income		<u>17.8</u>	<u>19.2</u>	<u>19.8</u>	<u>21.8</u>			<u>25.3</u>	<u>42.4</u>	<u>46.5</u>	<u>30.8</u>
Earnings before tax as reported		199.5	219.4	251.1	245.5			405.7	391.0	440.2	403.9
Pension Settlement Charge		0.0	0.0	0.0	0.0			0.0	26.3	0.0	0.0
Proforma Stock Option Expense		<u>(12.0</u>)	<u>(12.1</u>)	<u>(12.7</u>)	<u>(12.2</u>)			<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
Earnings before tax ex items		187.5	207.3	238.4	233.3			405.7	417.3	440.2	403.9
Effective tax rate as reported		26.3%	27.7%	27.6%	25.2%			26.9%	25.3%	25.0%	23.3%
Earnings after tax as reported		147.0	158.6	181.8	183.6			296.6	292.1	330.2	309.8
Effective tax rate ex items		25.4%	27.0%	27.0%	24.5%			26.9%	26.1%	25.0%	23.3%
Earnings after tax ex items		139.9	151.3	174.0	176.1			296.6	308.4	330.2	309.8
4 Qtr trailing AT earnings (numerator) - as repor	ted			671.0						1,228.7
4 Qtr trailing AT Earnings (numerator) - ex items	6			641.3						1,245.0
Denominator											
Total Debt	2,503.0	2,547.4	2,624.4	2,428.8	2,384.5		3,667.8	3,972.5	4,383.9	4,027.3	3,966.8
Air Products Shareholders' Equity	3,759.3	3,982.5	4,141.0	4,245.6	4,420.0		5,495.6	5,603.0	5,524.3	5,568.7	5,030.7
Noncontrolling Interest	105.2	107.3	99.3	85.1	88.8	_	92.9	99.3	117.4	115.5	136.2
Total Capital	6,367.5	6,637.2	6,864.7	6,759.5	6,893.3		9,256.3	9,674.8	10,025.6	9,711.5	9,133.7
5 Qtr Average Capital (denominator)					6,704.4						9,560.4
ROCE as rptd (4 Qtr trail AT earnings / 5 p	t avg capital)				10.0%						12.9%
ROCE ex items (4 Qtr trail AT earnings	/ 5 pt avg c	apital)			9.6%						13.0%



and a second second

Non GAAP Appendix: ROCE Tax Rate FY04 and FY08

	<u>Q104</u>	<u>Q204</u>	<u>Q304</u>	<u>Q404</u>	<u>Q108</u>	<u>Q208</u>	<u>Q308</u>	<u>Q408</u>
Reported								
Income from Cont. Ops. Bef. Tax	169.0	187.6	221.8	217.6	364.9	352.1	400.7	361.1
Noncontrolling Interest	<u>(1.9</u>)	<u>(4.1</u>)	<u>(3.3</u>)	<u>(2.5</u>)	<u>(6.1</u>)	<u>(4.5</u>)	<u>(7.6</u>)	<u>(4.8</u>)
Income from Cont. Ops. Before Tax, after								
Noncontrolling Interest	167.1	183.5	218.5	215.1	358.8	347.6	393.1	356.3
Tax Expense	43.9	50.8	60.4	54.3	96.5	87.8	98.1	82.9
Tax Rate Reported	26.3%	27.7%	27.6%	25.2%	26.9%	25.3%	25.0%	23.3%
ITEMS								
Operating Income								
Proforma Option Expense	(12.0)	(12.1)	(12.7)	(12.2)				
Pension Settlement Charge						26.3		
<u>Tax Exp</u>								
Proforma Option Expense	(4.5)	(4.5)	(4.8)	(4.6)				
Pension Settlement Charge						9.8		
Ex Items								
Income from Cont. Ops. Before Tax	155.1	171.4	205.8	202.9	358.8	373.9	393.1	356.3
Tax Expense	39.4	46.3	55.6	49.7	96.5	97.6	98.1	82.9
Tax Rate ex Items	25.4%	27.0%	27.0%	24.5%	26.9%	26.1%	25.0%	23.3%
and the second second							4	
							PRODUC	TS Z



Non GAAP Appendix: FY04 and FY08 Operating Margin

(\$ Millions)

<u>(†</u>	GAAP Measure	<u>Non GAAP Ajusts.</u>	Non GAAP Measure			
FY04 and FY08 - Total Co. Sales Operating Income	FY04FY086,163.210,414.5836.91,495.8	FY04 (1) FY08 (2) (49.0) 26.3	FY04FY086,163.210,414.5787.91,522.1			
Operating Margin	13.6% 14.4%		12.8% 14.6%			

(1) Proforma Stock Option Expense

and a second second

(2) Q208 Pension Settlement



Non GAAP Appendix: Operating Margin Trend

(\$millions)	<u>0109</u>	<u>0209</u>	<u>Q309</u>	<u>Q409</u>	<u>Q110</u>	<u>0210</u>	<u>Q310</u>	<u>0410</u>
Sales	2,195.3	1,955.4	1,976.2	2,129.3	2,173.5 2	2,249.0 2	2,252.3 2	2,351.2
GAAP Operating Income	114.1	260.4	143.8	328.0	345.0	340.6	336.4	367.0
GAAP Operating Margin	5.2%	13.3%	5 7.3%	15.4%	15.9%	15.1%	14.9%	15.6%
Non GAAP Adjustments Global Cost Reduction Plan Pension Settlement	174.2		124.0 8.0					
Customer Bankruptcy and Asset Act Acquisition - Related Costs	ions	_	32.1			23.4	37.9	34.7
Non GAAP Operating Income Non GAAP Operating Margin	288.3 13.1%	, ວ	307.9 15.6%	D		364.0 16.2%	374.3 16.6%	401.7 17.1%



Appendix: Q2 FY11 Results and Guidance

(\$ Millions, except per share data)		GAAP Me	easure		Non C Adjust		Non GAAP Measure			
			\$	%					\$	%
<u>Q211 vs. Q210 - Total Co.</u>	<u>Q211</u>	<u>Q210</u>	<u>Change</u>	<u>Change</u>	<u>Q211 (1)</u>	<u>Q210 (1)</u>	<u>Q211</u>	<u>Q210</u>	Change	<u>Change</u>
Sales	2,501.3	2,249.0	252.3	11%			2,501.3	2,249.0	252.3	11%
Operating Income	419.5	340.6	78.9	23%	5.0	23.4	424.5	364.0	60.5	17%
Operating Margin	16.8%	15.1%		170bp			17.0%	16.2%		80bp
Not be a set of the debt of the Desidents		050.0	50.0	040/		44.0	000 7	000.0	40.4	400/
Net Income Attributable to Air Products		252.0	52.3	21%	4.4	14.6	308.7	266.6	42.1	16%
Diluted EPS Attributable to Air Products	\$1.39	\$1.16	\$0.23	20%	\$0.02	\$0.07	\$1.41	\$1.23	\$0.18	15%
			\$	%					\$	%
Q211 vs. Q111 - Total Co.	<u>Q211</u>	<u>Q111</u>	<u>Change</u>	<u>Change</u>	<u>Q211 (1)</u>	<u>Q111 (1)</u>	<u>Q211</u>	<u>Q111</u>	<u>Change</u>	<u>Change</u>
Sales	2,501.3	2,391.7	109.6	5%			2,501.3	2,391.7	109.6	5%
Operating Income	419.5	360.6	58.9	16%	5.0	43.5	424.5	404.1	20.4	5%
Operating Margin	16.8%	15.1%		170bp			17.0%	16.9%		10bp
Net Income Attributable to Air Products	304.3	268.6	35.7	13%	4.4	27.2	308.7	295.8	12.9	4%
Diluted EPS Attributable to Air Products	\$1.39	\$1.23	\$0.16	13%	\$0.02	\$0.12	\$1.41	\$1.35	\$0.06	4%
(1) Acquisition - related costs										
Q3 FY11 Guidance	Diluted EPS									
Q3 FY10 GAAP	\$1.17									
Acquisition - related costs	\$0.11									
Q3 FY10 Non GAAP	\$1.28									
Q3 FY11 Guidance (1)	\$1.42-\$1.47									
% Change	11%-15%									
FY11 Guidance										
FY10 GAAP	\$4.74									
Acquisition - related costs	\$0.28									
FY10 Non GAAP	\$5.02									
FY11 Guidance (1)	\$5.65-\$5.75									
% Change	13%-15%									
(1) Excludes acquisition - related costs										

and a second second

Appendix: ROCE

\$ Millions Quarter Ended <u>Numerator</u>	<u>Q109</u>	<u>Q209</u>	<u>Q309</u>	<u>Q409</u>	<u>Q110</u>	<u>Q210</u>	<u>Q310</u>	<u>Q410</u>	<u>Q111</u>	<u>Q211</u>
Operating Income Reported		260.4	143.8	328.0	345.0	340.6	336.4	367.0	360.6	419.5
Equity Affiliate Income		<u>27.0</u>	<u>28.5</u>	32.2	<u>26.9</u>	<u>32.2</u>	<u>32.5</u>	<u>35.3</u>	<u>27.8</u>	<u>31.7</u>
Earnings before tax as reported		287.4	172.3	360.2	371.9	372.8	368.9	402.3	388.4	451.2
Global Cost Reduction Plan		0.0	124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pension Settlement Charge		0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Customer Bankruptcy and Asset Actions		0.0	32.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acquisition - Related Costs		<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>23.4</u>	<u>37.9</u>	<u>34.7</u>	<u>43.5</u>	<u>5.0</u>
Earnings before tax ex items		287.4	336.4	360.2	371.9	396.2	406.8	437.0	431.9	456.2
Effective tax rate as reported		25.8%	17.5%	26.0%	24.5%	24.7%	22.9%	25.2%	22.8%	26.1%
Earnings after tax as reported		213.3	142.1	266.5	280.8	280.7	284.4	300.9	299.8	333.4
Effective tax rate ex items		25.8%	25.7%	26.0%	24.5%	25.6%	24.4%	26.2%	24.4%	26.0%
Earnings after tax ex items		213.3	249.9	266.5	280.8	294.8	307.5	322.5	326.5	337.6
4 Qtr trailing AT earnings (numerator) - as repo	orted				902.7	970.1	1,112.4	1,146.8	1,165.8	1,218.5
4 Qtr trailing AT Earnings (numerator) - ex item	IS				1,010.5	1,092.0	1,149.6	1,205.6	1,251.3	1,294.1
<u>Denominator</u>										
Total Debt	4,169.2	4,102.4	4,145.2	4,501.5	4,418.7	4,343.4	4,188.0	4,128.3	3,992.0	4,395.9
Air Products Shareholders' Equity	4,726.1	4,638.1	4,928.3	4,791.9	5,033.9	5,265.6	5,231.4	5,546.9	5,810.0	5,825.2
Noncontrolling Interest	137.9	126.7	134.6	138.1	150.2	152.7	140.5	150.7	167.2	174.0
Total Capital	9,033.2	8,867.2	9,208.1	9,431.5	9,602.8	9,761.7	9,559.9	9,825.9	9,969.2	10,395.1
5 Qtr Average Capital (denominator)					9,228.6	9,374.3	9,512.8	9,636.4	9,743.9	9,902.4
ROCE as rptd (4 Qtr trail AT earnings / 5 pt avg cap	ital)				9.8%	10.3%	11.7%	11.9%	12.0%	12.3%
ROCE ex items (4 Qtr trail AT earnings/ 5 pt avg cap	oital)				10.9%	11.6%	12.1%	12.5%	12.8%	13.1%
Instantaneous ROCE ex items (Qtr earnings A	Г x 4) / 2 pt av	g capital)			11.8%	12.2%	12.7%	13.3%	13.2%	13.3%
Instantaneous ROCE ex items (Qtr earnings A	Q.,							,	PRODUČ	



Appendix: ROCE Tax Rate

	<u>Q209</u>	<u>Q309</u>	<u>Q409</u>	<u>Q110</u>	<u>Q210</u>	<u>Q310</u>	<u>Q410</u>	<u>Q111</u>	<u>Q211</u>
<u>Reported</u> Income Before Taxes	257.4	144.8	332.3	340.3	343.3	338.9	371.5	357.4	421.8
Tax Expense	66.5	25.4	86.3	83.5	84.9	77.6	93.5	81.5	110.3
Tax Rate Reported	25.8%	17.5%	26.0%	24.5%	24.7%	22.9%	25.2%	22.8%	26.1%
ITEMS									
ITEMS Operating Income									
Global Cost Reduction Plan		124.0							
Pension Settlement Charge		8.0							
Customer Bankruptcy and Asset Actions		32.1							
Acquisition - related costs					23.4	37.9	34.7	43.5	5.0
Tax Exp									
Global Cost Reduction Plan		39.8							
Supp. Pension Plan Charge		3.0							
Customer Bankruptcy and Asset Actions Acquisition - related costs		11.1			8.8	14.2	12.9	16.3	0.6
					0.0	17.2	12.0	10.0	0.0
<u>Ex Items</u>	0.57 4			0.40.0		070.0	100.0	400.0	100.0
Income Before Taxes	257.4	308.9	332.3	340.3 83.5	366.7 93.7	376.8	406.2	400.9 97.8	426.8
Tax Expense Tax Rate ex Items	66.5 25.8%	79.3 25.7%	86.3 26.0%	24.5%	93.7 25.6%	91.8 24.4%	106.4 26.2%	97.8 24.4%	110.9 26.0%



and a second second

Thank you... tell me more

