

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SEC Mail Processing Section MAR 2 7 2013

FORM 11-K

Washington DC

FOR ANNUAL REPORTS OF EMPLOYEE STOCK PURCHASE, SAMENGS AND SIMILAR PLANS PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

(Mark (One)
X	ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
	For the fiscal year ended September 30, 2012 or
	TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
	For the transition period from to
	Commission file number 1-4534
A.	Full title of the Plan and the address of the Plan, if different from that of the issuer named below:

AIR PRODUCTS AND CHEMICALS, INC. RETIREMENT SAVINGS PLAN

B. Name of issuer of the securities held pursuant to the Plan and the address of its principal executive offices:

AIR PRODUCTS AND CHEMICALS, INC. 7201 HAMILTON BOULEVARD ALLENTOWN, PA 18195-1501 Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this Annual Report to be signed on its behalf by the undersigned, hereunto duly authorized.

Air Products and Chemicals, Inc.

Retirement Savings Plan

(Name of Plan)

Dated: March 26, 2013

By: John D. Stanley

Senior Vice President, General Counsel, and Chief Administrative Officer

Consent of Independent Registered Public Accounting Firm

The Plan Administrator Air Products and Chemicals, Inc. Retirement Savings Plan:

We consent to the incorporation by reference in the registration statement (No. 333-158101) on Form S-8 of Air Products and Chemicals, Inc. of our report dated 26 March 2013, with respect to the statements of net assets available for benefits of the Air Products and Chemicals, Inc. Retirement Savings Plan as of 30 September 2012 and 2011, the related statements of changes in net assets available for benefits for the years then ended and the supplemental schedule, Schedule H, line 4i - Schedule of assets (held at end of year) as of 30 September 2012, which report appears in the 30 September 2012 annual report on Form 11-K of the Air Products and Chemicals, Inc. Retirement Savings Plan.



Philadelphia, Pennsylvania 26 March 2013



Financial Statements and Schedule

30 September 2012 and 2011

(With Report of Independent Registered Public Accounting Firm Thereon)

Table of Contents

	Page
Report of Independent Registered Public Accounting Firm	1
Statements of Net Assets Available for Benefits, 30 September 2012 and 2011	2
Statements of Changes in Net Assets Available for Benefits, Years ended 30 September 2012 and 2011	3
Notes to Financial Statements	4
Schedule H, Line 4(i) – Schedule of Assets (Held at end of Year), 30 September 2012	18

Note: All other schedules required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because there is no information to report.



KPMG LLP 1601 Market Street Philadelphia, PA 19103-2499

Report of Independent Registered Public Accounting Firm

The Plan Administrator Air Products and Chemicals, Inc. Retirement Savings Plan:

We have audited the accompanying statements of net assets available for benefits of the Air Products and Chemicals, Inc. Retirement Savings Plan (the Plan) as of 30 September 2012 and 2011, and the related statements of changes in net assets available for benefits for the years then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of 30 September 2012 and 2011, and the changes in net assets available for benefits for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Our audits were performed for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedule, Schedule H, Line 4(i), Schedule of Assets (Held at end of Year) — 30 September, 2012 is presented for the purpose of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the *Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974*. The supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.



Philadelphia, Pennsylvania 26 March 2013

Statements of Net Assets Available for Benefits

30 September 2012 and 2011

(In thousands)

		2012	2011
Assets:			
Investments at fair value:			
Interest-bearing cash	\$	12,714	11,952
Money Market Fund		30,100	31,599
Life Cycle Funds		123,694	80,972
Corporate Bond Fund		116,692	78,431
Bond Index Fund		2,932	
Balanced Fund		123,261	109,219
S&P 500 Index Stock Fund		119,490	95,176
Extended Market Index Fund		1,211	_
Mid Cap Core Fund		3,116	_
Large Cap Value Fund		184,645	150,788
Large Cap Growth Fund		66,340	55,766
International Stock Funds		86,255	76,613
Small Capitalization Equity Fund		88,329	69,536
Company Stock		384,286	370,379
Fixed Income Securities Fund		231,970	236,937
Self-Directed Brokerage Account		32,675	22,957
Total investments at fair value		1,607,710	1,390,325
Receivables:			
Participant loans		18,674	18,570
Accrued interest and dividends		3,329	3,270
Other receivables		130	124
Total receivables	_	22,133	21,964
	-		
Total assets	_	1,629,843	1,412,289
Liabilities:			
Payables and accrued liabilities		1,389	257
Total liabilities		1,389	257
Net assets available for benefits at fair value		1,628,454	1,412,032
Adjustment from fair value to contract value for fully			
benefit-responsive investment contracts		(10,319)	(7,614)
Net assets available for benefits	<u> </u>	1,618,135	1,404,418
			

See accompanying notes to financial statements.

Statements of Changes in Net Assets Available for Benefits

Years ended 30 September 2012 and 2011

(In thousands)

	_	2012	2011
Additions:			
Participant contributions	\$	54,700	51,569
Company matching contributions		17,488	16,431
Company core contributions, net of forfeitures		11,492	9,896
Interest income		612	626
Dividend income		24,957	23,254
Net appreciation in fair value of investments	_	209,839	
Total additions		319,088	101,776
Deductions:			
Distributions to participants		105,299	122,712
Administrative expenses		72	89
Net depreciation in fair value of investments	_		43,785
Total deductions	_	105,371	166,586
Net increase (decrease)		213,717	(64,810)
Net assets available for benefits, beginning of year	_	1,404,418	1,469,228
Net assets available for benefits, end of year	\$	1,618,135	1,404,418

See accompanying notes to financial statements.

Notes to Financial Statements 30 September 2012 and 2011

(1) Description of the Plan

The following description of the Air Products and Chemicals, Inc. Retirement Savings Plan (the Plan) provides only general information. Participants should refer to the summary plan description and the plan document for a more complete description of the Plan's provisions.

(a) General

The Plan is a defined contribution plan sponsored by Air Products and Chemicals, Inc. (the Company) covering certain full-time and part-time salaried and nonunion hourly employees of the Company and designated subsidiaries. Participants of the Plan are entitled to make before-tax contributions and after-tax contributions as allowed by Sections 401(k) and 401(m) of the Internal Revenue Code (IRC) after having completed at least 30 days of service. Company matching contributions are made under IRC Section 401(m). The Plan is subject to the provisions of the Employee Retirement Income Security Act (ERISA).

(b) Administration

The Board of Directors of the Company (the Board) has delegated oversight for the design and administration of the Plan to its Management Development and Compensation Committee and oversight for the funding and management of assets of the Plan to its Finance Committee. The Board has delegated authority to the Chairman, President and Chief Executive Officer (the Chairman) to take such actions as necessary to provide employee pension or welfare benefits, in accordance with its delegation with respect to the Company's pension and welfare benefit plans. The Chairman has delegated some of this authority to the Senior Vice President and Chief Administrative Officer, who has established a Benefits Committee to have fiduciary responsibility for appeals of the denial of benefits in an ERISA claim and who has delegated the authority to administer the Plan to the Company's Director of Compensation and Benefits (the Plan Administrator). The Finance Committee has appointed the Pension Investment Committee to assist with oversight of the investment of Plan assets. Fidelity Management Trust (Fidelity) is the trustee of the Plan.

(c) Participant Accounts

Each participant's account is credited with the participant's and the Company's contributions, as well as an allocation of the Plan's earnings or losses and charged with administrative expenses. Allocations are based on participant account balances. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account balance.

(d) Contributions

Subject to certain IRC restrictions, participants may elect to contribute to the Plan on a before-tax basis from 3% to 50%, in whole percentages, of compensation, as defined in the plan document, through payroll deductions. The before-tax basis allows a participant to defer recognition of income for federal income tax purposes. The maximum after-tax contribution is 16%. Participants who are at least age 50 before the close of the calendar year may make catch-up contributions in accordance with, and subject to the limitations of, IRC Section 414(v).

Notes to Financial Statements 30 September 2012 and 2011

The Company will match certain contributions to the Plan made by participants. The matching contribution calculation will depend on whether or not the participant receives Company Core Contributions under the Plan. To be eligible for Company Core Contributions, a participant must be (1) a salaried employee hired or rehired after 31 October 2004, (2) an hourly employee who transferred to a salaried status after 31 October 2004, (3) a nonunion hourly employee hired or rehired after 31 January 2011, (4) an employee who becomes a nonunion hourly employee after 31 January 2011 due to a change in employment status and is not earning credited service under the Pension Plan for Hourly Rated Employees of Air Products and Chemicals, Inc., or (5) a salaried employee who made an irrevocable election to receive Company Core Contributions under the Plan instead of continuing to earn credited service under the Air Products and Chemicals, Inc. Pension Plan for Salaried Employees. Company Core Contributions are made under IRC Section 401(a).

Company Core Contributions are cash contributions made by the Company to eligible participants' accounts in accordance with the participants' investment direction election. The amount of Company Core Contributions is based on participants' service and base pay as follows:

- 4% of base pay if credited service is less than 10 years, or
- 5% of base pay if credited service is between 10 and 19 years, or
- 6% of base pay if credited service is 20 years or more.

Eligible participants are not required to contribute to the Plan in order to receive the Company Core Contribution.

For participants who are receiving Company Core Contributions, the Company will match participant contributions as follows:

- \$0.75 for each \$1.00 of the first 4% of base pay that is contributed, if it is before tax, plus
- \$0.50 for each \$1.00 of the next 2% of base pay that is contributed, if it is before tax.

For participants who are not receiving Company Core Contributions but rather are earning credited service in the Air Products and Chemicals, Inc. Pension Plan for Salaried Employees or in the Pension Plan for Hourly Rated Employees of Air Products and Chemicals, Inc., the Company will match participant contributions as follows:

- \$0.75 for each \$1.00 of the first 3% of base pay that is contributed, if it is before tax, plus
- \$0.25 for each \$1.00 of the next 3% of base pay that is contributed, either before tax or after tax.

Catch-up contributions are not eligible for matching contributions.

Company matching contributions are invested in the Company Stock Fund. The Company's matching contributions may be transferred by the Plan's participants to any other of the Plan's investment options at any time. As such, the Company Stock Fund is deemed participant directed.

Notes to Financial Statements 30 September 2012 and 2011

(e) Contribution Percentage Changes

Contribution percentage changes are effective as soon as administratively possible after receipt of request.

(f) Rollovers

A participant or any other employee who is entitled to make a rollover contribution to the Plan under the IRC may make a cash contribution to the Plan of all or a portion of any such rollover contribution amount.

(g) Vesting

Participants are immediately vested in 100% of their elected salary deferrals, rollover contributions, the Company's matching contributions, and earnings thereon. A participant vests in Company Core Contributions plus investment earnings thereon, 20% for each year of service reaching 100% after five years of service, or, if earlier, upon reaching age 65.

(h) Forfeitures

Forfeitures can be used by the Company to reduce Company Core Contributions. Forfeitures used to reduce Company Core Contributions were approximately \$398,000 for 2012 and \$453,000 for 2011 and are reflected as a reduction to the Company Core Contributions in the accompanying statements of changes in net assets available for benefits. There were no unallocated forfeitures at year-end.

(i) Withdrawal Provisions

Upon application, but no sooner than 12 months after any earlier withdrawal:

- (a) a participant may withdraw all or a portion of after-tax contributions and earnings thereon;
- (b) after withdrawing all amounts described in subparagraph (a), a participant may withdraw any company matching contributions and earnings thereon;
- (c) after withdrawing all amounts described in subparagraphs (a) and (b), a participant may withdraw before-tax contributions and then vested Company Core Contributions upon:
 - (i) attaining age 59½ or
 - (ii) providing satisfactory evidence that the withdrawal is required on account of a "hardship." Hardship withdrawals will be limited to situations in which a participant has an immediate and heavy financial need and a distribution from the Plan is necessary to meet that need. A plan loan must be pursued first. A hardship withdrawal may be made without regard to whether any other withdrawal has occurred within the last 12 months and will result in the suspension of the right to contribute to the Plan for the next 6 months.

Notes to Financial Statements 30 September 2012 and 2011

A participant, upon separation of employment, is entitled to receive all amounts credited to his or her account, including before-tax, after-tax, catch-up, company matching contributions, and all vested Company Core Contributions. This distribution will automatically occur on or about 60 days after the end of the month in which employment ends if the participant's account balance is less than \$1,000. Any outstanding loan balance, which is not repaid within 90 days, will be treated as a taxable distribution. As an exception, at the discretion of the Pension Investment Committee, loan balances may be transferred to a successor employer for participants whose employment ends due to a divestiture of a business or segment of the Company. Participants may elect to roll over distributions directly into another qualified plan or an Individual Retirement Account. The distribution of a participant's account balance may be deferred until the earlier of age 70½ or death.

(j) Participant Loans

The Plan may make a loan or loans to any participant upon electronic request through Fidelity. Loans may be made in an amount that, when added to the outstanding balance of any other loan, will not exceed the lesser of \$50,000 reduced by any loan amounts repaid during the preceding year, or one half of the present value of the participant's vested account balance. Participant loans are valued at the sum of the unpaid principal balance, plus accrued but unpaid interest. The loan must be adequately secured, bear a reasonable interest rate, and be repaid within a maximum of five years, unless such loan is for a principal residence, in which case the loan is to be repaid within a maximum of 25 years. The interest rate charged on all outstanding participant loans during the Plan year ended 30 September 2012, ranged from 4.25% to 12.5%.

Loan principal and interest repayments are credited directly to the borrowing participant's plan account and invested in accordance with the participant's then-current investment directions. At the time of a participant's termination of employment, the participant must repay the full principal amount remaining to avoid a taxable deemed distribution of the loan balance.

(k) Investment Directions

Participant investment fund elections can be made in increments of 1% provided the percentages total 100%. Company matching contributions are invested in the Company Stock Fund, which may be transferred by the Plan's participants to any other investment option at any time, provided they are not in violation of frequent trading rules, in which case transfers may be limited to the Money Market Fund. Participants can elect to have their contributions to the Plan and Company Core Contributions invested in the following funds:

Money Market Fund (Fidelity Money Market Trust Retirement Government Money Market Portfolio) – This fund seeks to provide as high a level of current income as is consistent with the preservation of principal and liquidity, by investing primarily in U.S. government securities and repurchase agreements.

Life Cycle Funds (SSgA Target Retirement Income Securities Lending Series Fund Class II, SSgA Target Retirement 2010 Securities Lending Series Fund Class II, SSgA Target Retirement 2015 Securities Lending Series Fund Class II, SSgA Target Retirement 2020 Securities Lending Series Fund Class II, SSgA Target Retirement 2025 Securities Lending Series Fund Class II, SSgA

Notes to Financial Statements 30 September 2012 and 2011

Target Retirement 2030 Securities Lending Series Fund Class II, SSgA Target Retirement 2035 Securities Lending Series Fund Class II, SSgA Target Retirement 2040 Securities Lending Series Fund Class II, SSgA Target Retirement 2045 Securities Lending Series Fund Class II, SSgA Target Retirement 2050 Securities Lending Series Fund Class II, and SSgA Target Retirement 2055 Securities Lending Series Fund Class II available on or after 1 June 2012) — These funds of funds invest in a portfolio of index commingled funds tracking U.S. stocks, U.S. bonds, and international stocks. The allocation of assets shifts from one weighted more heavily to stocks to one more heavily weighted to bonds as the target date approaches and continues this transition for five additional years.

Corporate Bond Fund (Western Asset Core Plus Bond Portfolio Financial Fund Class I) – This mutual fund seeks to maximize total return by investing in intermediate-term (duration of three to seven years) U.S. dollar-denominated fixed income securities issued by domestic and foreign entities.

Bond Index Fund (Vanguard Total Bond Market Index Fund) (available on or after 1 June 2012) — This mutual fund seeks to track the performance of a broad, market-weighted bond index. The fund employs a "passive management", or indexing investment approach, designed to track the performance of the Barclays Capital U.S. Aggregate Float Adjusted Index.

Balanced Fund (Dodge & Cox Balanced Fund) – This mutual fund seeks to provide regular income, conservation of principal, and an opportunity for long-term growth of principal and income through investments in a diversified portfolio of common stocks, preferred stocks, bonds, and cash equivalents.

S&P 500 Index Stock Fund

- (i) SSgA S&P 500 Index Securities Lending Series Fund Class II (available prior to 1 June 2012) This commingled fund seeks to provide investment results that parallel the performance results of the Standard and Poor's 500 Index by investing in common stocks of companies that comprise this index.
- (ii) Spartan 500 Index Fund (available on or after 1 June 2012) This mutual fund seeks to provide investment results that parallel the performance results of the Standard and Poor's 500 Index by investing in common stocks of companies that comprise this index.

Extended Market Index Fund (Spartan Extended Market Index Fund) (available on or after 1 June 2012) — This mutual fund seeks to provide investment results that correspond to the total return of stocks of mid- to small-capitalization United States companies that are not included in the Standard and Poor's 500 Index. The fund normally invests at least 80% of its assets in common stocks included in the Dow Jones U.S. Completion Total Stock Market Index.

Mid Cap Core Fund (Principal MidCap Blend Fund) (available on or after 1 June 2012) — This mutual fund seeks long-term growth of capital by investing primarily in common stocks and other equity securities of medium-capitalization companies. It normally invests at least 80% of net assets in companies with market capitalizations similar to those of companies in the Russell Midcap Index.

Notes to Financial Statements 30 September 2012 and 2011

Large Cap Value Fund (Vanguard Windsor II Fund Class Admiral) — This mutual fund seeks to generate long-term growth of capital as well as income from dividends. This fund invests in common stocks of large companies that the fund's management believes are out of favor or undervalued.

Large Cap Growth Fund

- (i) American Funds Growth Fund of America Fund Class R5 (available prior to 1 June 2012) This mutual fund seeks long-term growth of principal within the arena of large capitalization growth stocks.
- (ii) JPMCB Large Cap Growth Trust (available on or after 1 June 2012) This commingled fund seeks long-term capital appreciation by investing in a diversified portfolio of equity securities of companies with market capitalizations similar to those within the universe of the Russell 1000 Growth Index (the Benchmark) and attempts to outperform the Benchmark over a full market cycle.

International Stock Funds

- (i) Fidelity International Discovery Fund Class K This mutual fund invests a majority of its assets in non-U.S. common stocks, with a focus on those that pay current dividends and that the fund's management believes show potential for capital appreciation. The fund may opportunistically invest in non-U.S. debt securities, including lower-quality debt securities.
- (ii) Vanguard Total International Stock Index Fund (available on or after 1 June 2012) This mutual fund seeks to track the performance of the MSCI All Country World ex USA Investable Market Index, an index designed to measure equity market performance in developed and emerging markets, excluding the United States. The fund employs a "passive management" or indexing-investment approach.

Small Capitalization Equity Fund (Pyramis Small Capitalization Core Commingled Pool) – This commingled fund seeks long-term capital growth within the arena of domestic small capitalization companies.

Company Stock Fund (Common Stock of Air Products and Chemicals, Inc.) — This fund is a nondiversified investment option designed to provide participants with an opportunity to share in the potential growth of the Company's common stock. This fund is a nonleveraged employee stock ownership plan within the Plan allowing participants to have dividends reinvested in their Company Stock Fund account or to receive quarterly dividend checks. Interest-bearing cash held in the fund is presented separately as a short-term investment.

Fixed Income Securities Fund (Stable Value Fund) – This fund invests in a diversified portfolio of high-quality bonds that are "wrapped" by high-quality financial institutions that guarantee principal and a predetermined interest rate yield. This fund also invests in traditional investment contracts with insurance companies and banks that guarantee principal and a predetermined interest rate yield.

Notes to Financial Statements 30 September 2012 and 2011

Self-Directed Brokerage Account (Fidelity BrokerageLink) – A brokerage account that offers a range of Fidelity and Non-Fidelity mutual funds. Interest bearing cash held in the account is presented separately as a short-term investment.

Participant changes to investment elections can apply to future contributions, accumulated saving, or both. Participant investment election changes completed by 4 p.m. (Eastern Time) are effective the same New York Stock Exchange (NYSE) business day and are reflected in the participant's accounts the next NYSE business day.

Participants may not redirect accumulated savings directly from the Fixed Income Securities Fund to the Money Market Fund or to Fidelity BrokerageLink.

The fair value of individual investments that represent 5% or more of the Plan's total net assets available for benefits as of 30 September 2012 and 2011 was as follows:

Investment	2012	2011
	(In thous	ands)
Corporate Bond Fund	\$ 116,692	78,431
Balanced Fund	123,261	109,219
S&P 500 Index Stock Fund	119,490	95,176
International Stock Fund	84,982	76,613
Small Capitalization Equity Fund	88,329	*
Large Cap Value Fund	184,645	150,788
Company Stock	384,286	370,379
Fixed Income Securities Fund	231,970	236,937

^{*} Investment did not exceed 5% of net assets available for benefits at 30 September 2011

(2) Summary of Accounting Policies

(a) Basis of Accounting

The financial statements have been prepared on the accrual basis of accounting. The Company has elected to file these financial statements with the Securities and Exchange Commission prepared in conformity with guidelines issued under ERISA, as amended.

Fully benefit-responsive contracts held in the Fixed Income Securities Fund are included in the financial statements at fair value and are then adjusted to contract value in determining net assets available for benefits.

(b) Use of Estimates

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of net assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Notes to Financial Statements 30 September 2012 and 2011

(c) Investment Valuation and Income Recognition

The Plan's investments are stated at fair value. Quoted market prices are used to value investments. Shares of mutual and commingled funds are valued at the net asset value (NAV) of shares held by the Plan at year-end. The investments are using NAV as a practical expedient for fair value.

The fair value of the contracts held in the Fixed Income Securities Fund is calculated by discounting the related cash flows based on current yields of similar instruments with comparable durations (note 4). See note 3 for disclosure of the Plan's fair value measurements.

Purchases and sales are recorded on a trade-date basis. Interest is recorded on an accrual basis. Dividends are recorded on the ex-dividend date.

(d) Risks and Uncertainties

Investment securities, in general, are exposed to various risks, such as interest rate, credit, and overall market volatility risks. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and could materially impact participants' account balances and the amounts reported in the accompanying statements of net assets available for benefits. The Plan's exposure to a concentration of credit risk is dependent upon the investment allocations selected by the Plan's participants. At 30 September 2012 and 2011, 24% and 26% of the Plan's net assets, respectively, were invested in the common stock of the Company. The underlying value of the Company's stock is impacted by the performance of the Company, the market's evaluation of such performance, and other factors.

(e) Payment of Benefits

Benefits are recorded when paid.

(f) Recent Accounting Pronouncements

In January 2010, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) 2010-06, *Improving Disclosures about Fair Value Measurements*, amending Accounting Standards Codification (ASC) No. 820, *Fair Value Measurements and Disclosures* (ASC 820). The guidance requires disclosure of transfers of assets and liabilities between Levels 1 and 2 of the fair value hierarchy, and information on purchases, sales, issuances, and settlements on a gross basis in the reconciliation of the assets and liabilities measured under Level 3 of the fair value hierarchy. The amendment also clarifies existing disclosure requirements on levels of disaggregation and disclosures about inputs and valuation techniques. The guidance was effective for the Plan's financial statements for the year ended 30 September 2011, except for the disclosure requirements on Level 3 activity, which is effective for the Plan's financial statements for the year ended 30 September 2012. The adoption did not materially affect the Plan's financial statements.

In May 2011, ASC 820 was further amended with the issuance by the FASB of ASU 2011-04, Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in U.S. GAAP and IFRSs. The amendment changes certain fair value measurement principles, clarifies the application of existing fair value measurements and expands the disclosure requirements,

Notes to Financial Statements 30 September 2012 and 2011

particularly for Level 3 fair value measurements. This amendment is to be applied prospectively and will be effective for the Plan year beginning 1 October 2012. The Plan's management does not expect its adoption to have a material effect on the Plan's financial statements.

(3) Fair Value Measurements

Fair value is defined as an exit price (i.e., the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date). The three-level fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value includes:

- Level 1 Quoted prices (unadjusted) in active markets for identical assets or liabilities;
- Level 2 Inputs that are observable for the asset or liability, either directly or indirectly through market corroboration, for substantially the full term of the asset or liability; and
- Level 3 Inputs that are unobservable for the asset or liability based on the Company's own assumptions (about the assumptions market participants would use in pricing the asset or liability).

If the inputs used to measure the financial assets and liabilities fall within more than one level described above, the categorization is based on the lowest level input that is significant to the fair value measurement of the instrument.

Within the Plan, investments are recorded at fair value as follows:

(a) Mutual Funds

The Mutual funds are valued at their respective NAV. The NAV is based on the value of the underlying assets owned by the funds, less their liabilities then divided by the number of shares outstanding. The NAV is quoted in an active market and therefore presented as a Level 1 asset.

(b) Company Stock Fund

The Company Stock Fund is valued based on the number of shares held by the Plan at year-end multiplied by the closing price of the Company's stock on the New York Stock Exchange and therefore presented as a Level 1 asset.

(c) Commingled Funds

Commingled funds are valued at NAV, determined by each fund's trustee based on the fair value of the underlying securities within the funds which are traded on active markets and presented as a Level 2 asset.

(d) Fixed Income Securities Fund

The Fixed Income Securities Fund comprises both the fair value of traditional investment contracts and short- to intermediate-term fixed income securities that are included in commingled funds, which are wrapped by third-party financial institutions. The fair value of the traditional investment contracts and wrap contracts is calculated based on the discounted present value of the differences between the replacement cost and actual cost of the contracts. The fair value of the underlying short-

Notes to Financial Statements 30 September 2012 and 2011

to intermediate-term fixed income securities held by the commingled funds is based upon the NAV. Similar to the commingled funds noted above, the underlying securities are traded on active markets. As the fair value of the traditional investment contracts and wrap contracts represents an insignificant portion of the total value of the Fixed Income Securities Fund, the fund itself has been presented as a Level 2 asset.

(e) Investments Measured at Fair Value

Investments measured at fair value at 30 September 2012 and 2011 are summarized below (in thousands):

		30 September 2012			
	_	Total	Level 1	Level 2	Level 3
Assets:					
Interest-bearing cash	\$	12,714	12,714	_	_
Money Market Fund		30,100	30,100	_	_
Mutual Funds		670,277	670,277		_
Company Stock		384,286	384,286		_
Commingled Funds		278,363		278,363	_
Fixed Income Securities Fund		231,970		231,970	
Total investments	\$_	1,607,710	1,097,377	510,333	

	30 September 2011				
	_	Total	Level 1	Level 2	Level 3
Assets:					
Interest-bearing cash	\$	11,952	11,952		_
Money Market Fund		31,599	31,599	_	_
Mutual Funds		493,774	493,774	_	_
Company Stock		370,379	370,379		_
Commingled Funds		245,684		245,684	
Fixed Income Securities Fund	_	236,937		236,937	
Total investments	\$	1,390,325	907,704	482,621	

For the years ended 30 September 2012 and 30 September 2011, there were no significant transfers in or out of Levels 1 or 2.

(4) Fixed Income Securities Fund

Contributions made to the Fixed Income Securities Fund (Fund) are invested in traditional investment contracts with insurance companies and other financial institutions, and short- to intermediate-term fixed income securities or portfolios that are "wrapped" by third-party financial institutions that guarantee principal and a predetermined interest rate yield. The contract issuers of the traditional investment

Notes to Financial Statements 30 September 2012 and 2011

contracts and the wrap providers are highly rated financial institutions. The contracts held in this Fund are deemed fully benefit-responsive as they provide that the Plan's participants may make withdrawals at contract value. As described in note 2, because the contracts are deemed fully benefit-responsive, contract value is the relevant measurement attributable for the contracts held in the Fund. Contract value represents contributions made under the contract, plus earnings, less participant withdrawals and administrative expenses.

The Fund's contracts are included in the accompanying statements of net assets available for benefits at fair value, and are then adjusted to contract value in determining net assets available for benefits. The contract value of the contracts in this portfolio was \$221,651,000 and \$229,323,000 at 30 September 2012 and 2011, respectively.

No valuation reserves were recorded against the contract value for credit risk of the contract issuers or otherwise for the Fund at 30 September 2012 and 2011. The average annualized yield was 0.84% and 1.49% as of 30 September 2012 and 2011, respectively. The Fund's annualized crediting interest rates as of 30 September 2012 and 2011 were 2.02% and 2.43%, respectively. The crediting interest rate is based on the provisions agreed upon with the issuer, which reset monthly, but it may not be less than zero.

Key factors that could influence future average interest crediting rates include, but are not limited to: Plan cash flows, changes in interest rates, total return performance of the bond strategies underlying each of the Fund's contracts, and default or credit failures of any of the securities, investment contracts, or other investments held in the Fund.

Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value. Certain events, although considered unlikely and not probable, such as a change in administration or operation of the Plan or Fund, group terminations, layoffs, or exclusion of group eligibility in the Plan, may limit the ability of participants to access their investments at contract value. The contract issuers may terminate the contracts in the unlikely event of a default by the Plan.

(5) Income Tax Status

The Internal Revenue Service (IRS) has determined and informed the Company, by letter dated 20 August 2003, that the Plan and related trust are designed in accordance with applicable sections of the IRC. Although the Plan has been amended since receiving the determination letter, the Plan Administrator and the Plan's tax counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and therefore believe that the Plan is qualified and the related trust is tax-exempt.

U.S. generally accepted accounting principles require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of 30 September 2012, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The Plan administrator believes it is no longer subject to income tax examinations for years prior to 2008.

Notes to Financial Statements 30 September 2012 and 2011

(6) Expenses of the Plan

All reasonable third-party fees and expenses for administration of the Plan have been paid by the Plan, including (but not limited to) trustee fees, record-keeping fees, audit fees, proxy voting fees, and communication expenses. Such expenses may be assessed to participant accounts as a quarterly administrative charge. Expenses incident to the management of the Plan's investments are deducted from the earnings of the respective investments.

(7) Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, the entire amount credited to each participant's account will be fully vested.

(8) Net Change in Fair Value of Investments

The net appreciation (depreciation) in fair values of investments (including gains and losses on investments bought and sold, as well as held during the year) for the years ended 30 September 2012 and 2011 is as follows:

		2012	2011
	-	(In thousands)	
Life Cycle Funds	\$	18,855	406
Corporate Bond Fund		5,843	410
Bond Index Fund		11	_
Balanced Fund		23,763	(4,171)
S&P 500 Index Stock Fund		27,678	1,316
Extended Market Index Fund		51	_
Mid Cap Core Fund		144	_
Large Cap Growth Fund		12,458	(2,351)
International Stock Funds		13,028	(11,293)
Large Cap Value Fund		40,602	(1,920)
Small Capitalization Equity Fund		26,222	(2,956)
Company Stock Fund		33,081	(26,896)
Fixed Income Securities Fund		4,521	5,439
Self-Directed Brokerage Account		3,582	(1,769)
:	\$	209,839	(43,785)

(9) Related-Party Transactions

The Plan holds common stock of the Company, representing qualifying equity securities as defined by ERISA, valued at \$384,286,000 and \$370,379,000, representing 24% and 26% of net assets available for plan benefits at 30 September 2012 and 2011, respectively.

The Plan invests in funds managed by Fidelity valued at \$260,692,000 and \$235,754,000 representing 16% and 17% of net assets available for plan benefits at 30 September 2012 and 2011, respectively.

15

Notes to Financial Statements 30 September 2012 and 2011

(10) Reconciliation of Financial Statements to Form 5500

The following is a reconciliation of net assets available for benefits per the financial statements at 30 September 2012 and 2011 to Form 5500:

		2012	2011
		(In tho	usands)
Net assets available for benefits per the financial statements Adjustment from contract value to fair value for fully	\$	1,618,135	1,404,418
benefit-responsive investment contracts Amounts allocated to withdrawing participants		10,319 (3,407)	7,614 (4,108)
Net assets available for benefits per Form 5500	\$ _	1,625,047	1,407,924

The following is a reconciliation of benefits paid to participants per the financial statements for the year ended 30 September 2012 to Form 5500:

	-	(In thousands)
Distributions to participants per the financial statements Amounts allocated to withdrawing participants at 30 September 2012 Amounts allocated to withdrawing participants at 30 September 2011	\$	105,299 3,407 (4,108)
Distributions to participants per Form 5500	\$	104,598

The following is a reconciliation of the increase in net assets per the financial statements for the year ended 30 September 2012 to Form 5500:

	(1	2012 In thousands)
Increase in net assets per the financial statements Change in the adjustment from contract value to fair value for fully	\$	213,717
benefit-responsive investment contracts Change in amounts allocated to withdrawing participants		2,705 701
Net increase per Form 5500	\$	217,123

Notes to Financial Statements 30 September 2012 and 2011

(11) Subsequent Events

The Plan has evaluated subsequent events for potential recognition and/or disclosure through 26 March 2013, the date these financial statements were issued. There were no subsequent events required to be recognized or disclosed in the financial statements.

Schedule H, Line 4(i) – Schedule of Assets (Held at end of Year)

30 September 2012

(In thousands)

Identity of issue	Description	Current value
* Fidelity Trust Management Company:		
Interest-bearing cash	Cash	\$ 12,714
* Money Market Fund:		
Fidelity Money Market Trust Retirement		
Government Money Market Portfolio	Money market fund; par value	30,100
Life Cycle Funds (Lending Series Fund Class II):		
SSgA Target Retirement Income Securities	Commingled investment pool	5,717
SSgA Target Retirement 2010 Securities	Commingled investment pool	6,813
SSgA Target Retirement 2015 Securities	Commingled investment pool	19.640
SSgA Target Retirement 2020 Securities	Commingled investment pool	28,395
SSgA Target Retirement 2025 Securities	Commingled investment pool	10,795
SSgA Target Retirement 2030 Securities	Commingled investment pool	22,875
SSgA Target Retirement 2035 Securities	Commingled investment pool	4,646
SSgA Target Retirement 2040 Securities	Commingled investment pool	15,618
SSgA Target Retirement 2045 Securities	Commingled investment pool	4,355
SSgA Target Retirement 2050 Securities	Commingled investment pool	4,356
SSgA Target Retirement 2055 Securities	Commingled investment pool	484
Corporate Bond Fund:		
Western Asset Core Plus Bond Portfolio	Martin 1 for 1 1 and 0.000 224 disease	116 602
Financial Fund Class I	Mutual fund shares: 9,999,324 shares	116,692
Bond Index Fund:		
Vanguard Total Bond Market Index Fund	Mutual fund shares: 261,771 shares	2,932
Balanced Fund:		
Dodge and Cox Balanced Fund	Mutual fund shares: 1,609,785 shares	123,261
Douge and Cox Balanced Fund	with a fund shares. 1,009,783 shares	123,201
S&P 500 Index Stock Fund:		
Spartan 500 Index Fund	Mutual fund shares: 2,328,790 shares	119,490
Extended Market Index Fund:		
Spartan Extended Market Index Fund	Mutual fund shares: 30,090 shares	1,211
•	Mataur fund States. 50,000 States	1,211
Mid Cap Core Fund:		
Principal MidCap Blend Fund	Mutual fund shares: 199,595 shares	3,116
Large Cap Value Fund:		
Vanguard Windsor II Fund Class Admiral	Mutual fund shares: 3,537,946 shares	184,645
· ·		,
Large Cap Growth Fund:		<< 2.10
JPMCB Large Cap Growth Fund	Commingled investment pool	66,340
International Stock Funds:		
* Fidelity International Discovery Fund Class K	Mutual fund shares: 2,678,302 shares	84,982
Vanguard Total International Stock Index Fund	Mutual fund shares: 44,580 shares	1,273
* Small Capitalization Equity Fund:		
Pyramis Small Capitalization		
Core Commingled Pool	Commingled investment pool	88,329
•	Commingled investment poor	00,329
* Company Stock:	Common stock: 4,646,753 shares	
Air Products and Chemicals, Inc. Common Stock	Historical cost: \$262,191	384,286
Fixed Income Securities Fund:		
Invesco Stable Value Fund	Guaranteed investment contracts,	
mreseo sucre value i una	0.84% (average yield) in 2012	231,970
# G 16D: . 1D 1	, , ,	201,
* Self-Directed Brokerage Account:	Brokerage account for many	22.57
Fidelity BrokerageLink	publicly available mutual funds	32,675
Total investments		\$ 1,607,710
* Participant loans	Interest rates non-sing from 4.350/ to	
i acticipant toans	Interest rates ranging from 4.25% to 12.5% with various maturity dates	\$ 18,674
	12.570 with various maturity dates	Φ 10,0/4
A 15		

* Represents investments with a party in interest.

See accompanying independent auditors' report.



Financial Statements and Schedule

30 September 2012 and 2011

(With Independent Auditors' Report Thereon)

Table of Contents

	Page
Independent Auditors' Report	1
Statements of Net Assets Available for Benefits, 30 September 2012 and 2011	2
Statements of Changes in Net Assets Available for Benefits, Years ended 30 September 2012 and 2011	3
Notes to Financial Statements	4
Schedule H, Line 4(i) – Schedule of Assets (Held at end of Year), 30 September 2012	18

Note: All other schedules required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because there is no information to report.



KPMG LLP 1601 Market Street Philadelphia, PA 19103-2499

Independent Auditors' Report

The Plan Administrator
Air Products and Chemicals, Inc.
Retirement Savings Plan:

We have audited the accompanying statements of net assets available for benefits of the Air Products and Chemicals, Inc. Retirement Savings Plan (the Plan) as of 30 September 2012 and 2011, and the related statements of changes in net assets available for benefits for the years then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of 30 September 2012 and 2011, and the changes in net assets available for benefits for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Our audits were performed for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedule of assets (held at end of year) as of 30 September 2012 is presented for the purpose of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the *Department of Labor's Rules and Regulations for Reporting and Disclosure Under the Employee Retirement Income Security Act of 1974*. Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.



26 March 2013

Statements of Net Assets Available for Benefits

30 September 2012 and 2011

(In thousands)

	_	2012	2011
Assets:			
Investments at fair value:			
Interest-bearing cash	\$	12,714	11,952
Money Market Fund		30,100	31,599
Life Cycle Funds		123,694	80,972
Corporate Bond Fund		116,692	78,431
Bond Index Fund		2,932	
Balanced Fund		123,261	109,219
S&P 500 Index Stock Fund		119,490	95,176
Extended Market Index Fund		1,211	_
Mid Cap Core Fund		3,116	
Large Cap Value Fund		184,645	150,788
Large Cap Growth Fund		66,340	55,766
International Stock Funds		86,255	76,613
Small Capitalization Equity Fund		88,329	69,536
Company Stock		384,286	370,379
Fixed Income Securities Fund		231,970	236,937
Self-Directed Brokerage Account	_	32,675	22,957
Total investments at fair value	_	1,607,710	1,390,325
Receivables:			
Participant loans		18,674	18,570
Accrued interest and dividends		3,329	3,270
Other receivables	_	130	124
Total receivables		22,133	21,964
Total assets	_	1,629,843	1,412,289
Liabilities:			
Payables and accrued liabilities	_	1,389	257
Total liabilities	_	1,389	257
Net assets available for benefits at fair value		1,628,454	1,412,032
Adjustment from fair value to contract value for fully			
benefit-responsive investment contracts		(10,319)	(7,614)
Net assets available for benefits	\$ _	1,618,135	1,404,418

See accompanying notes to financial statements.

Statements of Changes in Net Assets Available for Benefits

Years ended 30 September 2012 and 2011

(In thousands)

	 2012	2011
Additions:		
Participant contributions	\$ 54,700	51,569
Company matching contributions	17,488	16,431
Company core contributions, net of forfeitures	11,492	9,896
Interest income	612	626
Dividend income	24,957	23,254
Net appreciation in fair value of investments	 209,839	
Total additions	 319,088	101,776
Deductions:		
Distributions to participants	105,299	122,712
Administrative expenses	72	89
Net depreciation in fair value of investments	 	43,785
Total deductions	 105,371	166,586
Net increase (decrease)	213,717	(64,810)
Net assets available for benefits, beginning of year	 1,404,418	1,469,228
Net assets available for benefits, end of year	\$ 1,618,135	1,404,418

See accompanying notes to financial statements.

Notes to Financial Statements 30 September 2012 and 2011

(1) Description of the Plan

The following description of the Air Products and Chemicals, Inc. Retirement Savings Plan (the Plan) provides only general information. Participants should refer to the summary plan description and the plan document for a more complete description of the Plan's provisions.

(a) General

The Plan is a defined contribution plan sponsored by Air Products and Chemicals, Inc. (the Company) covering certain full-time and part-time salaried and nonunion hourly employees of the Company and designated subsidiaries. Participants of the Plan are entitled to make before-tax contributions and after-tax contributions as allowed by Sections 401(k) and 401(m) of the Internal Revenue Code (IRC) after having completed at least 30 days of service. Company matching contributions are made under IRC Section 401(m). The Plan is subject to the provisions of the Employee Retirement Income Security Act (ERISA).

(b) Administration

The Board of Directors of the Company (the Board) has delegated oversight for the design and administration of the Plan to its Management Development and Compensation Committee and oversight for the funding and management of assets of the Plan to its Finance Committee. The Board has delegated authority to the Chairman, President and Chief Executive Officer (the Chairman) to take such actions as necessary to provide employee pension or welfare benefits, in accordance with its delegation with respect to the Company's pension and welfare benefit plans. The Chairman has delegated some of this authority to the Senior Vice President and Chief Administrative Officer, who has established a Benefits Committee to have fiduciary responsibility for appeals of the denial of benefits in an ERISA claim and who has delegated the authority to administer the Plan to the Company's Director of Compensation and Benefits (the Plan Administrator). The Finance Committee has appointed the Pension Investment Committee to assist with oversight of the investment of Plan assets. Fidelity Management Trust (Fidelity) is the trustee of the Plan.

(c) Participant Accounts

Each participant's account is credited with the participant's and the Company's contributions, as well as an allocation of the Plan's earnings or losses and charged with administrative expenses. Allocations are based on participant account balances. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account balance.

(d) Contributions

Subject to certain IRC restrictions, participants may elect to contribute to the Plan on a before-tax basis from 3% to 50%, in whole percentages, of compensation, as defined in the plan document, through payroll deductions. The before-tax basis allows a participant to defer recognition of income for federal income tax purposes. The maximum after-tax contribution is 16%. Participants who are at least age 50 before the close of the calendar year may make catch-up contributions in accordance with, and subject to the limitations of, IRC Section 414(v).

Notes to Financial Statements 30 September 2012 and 2011

The Company will match certain contributions to the Plan made by participants. The matching contribution calculation will depend on whether or not the participant receives Company Core Contributions under the Plan. To be eligible for Company Core Contributions, a participant must be (1) a salaried employee hired or rehired after 31 October 2004, (2) an hourly employee who transferred to a salaried status after 31 October 2004, (3) a nonunion hourly employee hired or rehired after 31 January 2011, (4) an employee who becomes a nonunion hourly employee after 31 January 2011 due to a change in employment status and is not earning credited service under the Pension Plan for Hourly Rated Employees of Air Products and Chemicals, Inc., or (5) a salaried employee who made an irrevocable election to receive Company Core Contributions under the Plan instead of continuing to earn credited service under the Air Products and Chemicals, Inc. Pension Plan for Salaried Employees. Company Core Contributions are made under IRC Section 401(a).

Company Core Contributions are cash contributions made by the Company to eligible participants' accounts in accordance with the participants' investment direction election. The amount of Company Core Contributions is based on participants' service and base pay as follows:

- 4% of base pay if credited service is less than 10 years, or
- 5% of base pay if credited service is between 10 and 19 years, or
- 6% of base pay if credited service is 20 years or more.

Eligible participants are not required to contribute to the Plan in order to receive the Company Core Contribution.

For participants who are receiving Company Core Contributions, the Company will match participant contributions as follows:

- \$0.75 for each \$1.00 of the first 4% of base pay that is contributed, if it is before tax, plus
- \$0.50 for each \$1.00 of the next 2% of base pay that is contributed, if it is before tax.

For participants who are not receiving Company Core Contributions but rather are earning credited service in the Air Products and Chemicals, Inc. Pension Plan for Salaried Employees or in the Pension Plan for Hourly Rated Employees of Air Products and Chemicals, Inc., the Company will match participant contributions as follows:

- \$0.75 for each \$1.00 of the first 3% of base pay that is contributed, if it is before tax, plus
- \$0.25 for each \$1.00 of the next 3% of base pay that is contributed, either before tax or after tax.

Catch-up contributions are not eligible for matching contributions.

Company matching contributions are invested in the Company Stock Fund. The Company's matching contributions may be transferred by the Plan's participants to any other of the Plan's investment options at any time. As such, the Company Stock Fund is deemed participant directed.

Notes to Financial Statements 30 September 2012 and 2011

(e) Contribution Percentage Changes

Contribution percentage changes are effective as soon as administratively possible after receipt of request.

(f) Rollovers

A participant or any other employee who is entitled to make a rollover contribution to the Plan under the IRC may make a cash contribution to the Plan of all or a portion of any such rollover contribution amount.

(g) Vesting

Participants are immediately vested in 100% of their elected salary deferrals, rollover contributions, the Company's matching contributions, and earnings thereon. A participant vests in Company Core Contributions plus investment earnings thereon, 20% for each year of service reaching 100% after five years of service, or, if earlier, upon reaching age 65.

(h) Forfeitures

Forfeitures can be used by the Company to reduce Company Core Contributions. Forfeitures used to reduce Company Core Contributions were approximately \$398,000 for 2012 and \$453,000 for 2011 and are reflected as a reduction to the Company Core Contributions in the accompanying statements of changes in net assets available for benefits. There were no unallocated forfeitures at year-end.

(i) Withdrawal Provisions

Upon application, but no sooner than 12 months after any earlier withdrawal:

- (a) a participant may withdraw all or a portion of after-tax contributions and earnings thereon;
- (b) after withdrawing all amounts described in subparagraph (a), a participant may withdraw any company matching contributions and earnings thereon;
- (c) after withdrawing all amounts described in subparagraphs (a) and (b), a participant may withdraw before-tax contributions and then vested Company Core Contributions upon:
 - (i) attaining age $59\frac{1}{2}$ or
 - (ii) providing satisfactory evidence that the withdrawal is required on account of a "hardship." Hardship withdrawals will be limited to situations in which a participant has an immediate and heavy financial need and a distribution from the Plan is necessary to meet that need. A plan loan must be pursued first. A hardship withdrawal may be made without regard to whether any other withdrawal has occurred within the last 12 months and will result in the suspension of the right to contribute to the Plan for the next 6 months.

Notes to Financial Statements 30 September 2012 and 2011

A participant, upon separation of employment, is entitled to receive all amounts credited to his or her account, including before-tax, after-tax, catch-up, company matching contributions, and all vested Company Core Contributions. This distribution will automatically occur on or about 60 days after the end of the month in which employment ends if the participant's account balance is less than \$1,000. Any outstanding loan balance, which is not repaid within 90 days, will be treated as a taxable distribution. As an exception, at the discretion of the Pension Investment Committee, loan balances may be transferred to a successor employer for participants whose employment ends due to a divestiture of a business or segment of the Company. Participants may elect to roll over distributions directly into another qualified plan or an Individual Retirement Account. The distribution of a participant's account balance may be deferred until the earlier of age 70½ or death.

(j) Participant Loans

The Plan may make a loan or loans to any participant upon electronic request through Fidelity. Loans may be made in an amount that, when added to the outstanding balance of any other loan, will not exceed the lesser of \$50,000 reduced by any loan amounts repaid during the preceding year, or one half of the present value of the participant's vested account balance. Participant loans are valued at the sum of the unpaid principal balance, plus accrued but unpaid interest. The loan must be adequately secured, bear a reasonable interest rate, and be repaid within a maximum of five years, unless such loan is for a principal residence, in which case the loan is to be repaid within a maximum of 25 years. The interest rate charged on all outstanding participant loans during the Plan year ended 30 September 2012, ranged from 4.25% to 12.5%.

Loan principal and interest repayments are credited directly to the borrowing participant's plan account and invested in accordance with the participant's then-current investment directions. At the time of a participant's termination of employment, the participant must repay the full principal amount remaining to avoid a taxable deemed distribution of the loan balance.

(k) Investment Directions

Participant investment fund elections can be made in increments of 1% provided the percentages total 100%. Company matching contributions are invested in the Company Stock Fund, which may be transferred by the Plan's participants to any other investment option at any time, provided they are not in violation of frequent trading rules, in which case transfers may be limited to the Money Market Fund. Participants can elect to have their contributions to the Plan and Company Core Contributions invested in the following funds:

Money Market Fund (Fidelity Money Market Trust Retirement Government Money Market Portfolio) – This fund seeks to provide as high a level of current income as is consistent with the preservation of principal and liquidity, by investing primarily in U.S. government securities and repurchase agreements.

Life Cycle Funds (SSgA Target Retirement Income Securities Lending Series Fund Class II, SSgA Target Retirement 2010 Securities Lending Series Fund Class II, SSgA Target Retirement 2015 Securities Lending Series Fund Class II, SSgA Target Retirement 2020 Securities Lending Series Fund Class II, SSgA Target Retirement 2025 Securities Lending Series Fund Class II, SSgA

Notes to Financial Statements 30 September 2012 and 2011

Target Retirement 2030 Securities Lending Series Fund Class II, SSgA Target Retirement 2035 Securities Lending Series Fund Class II, SSgA Target Retirement 2040 Securities Lending Series Fund Class II, SSgA Target Retirement 2045 Securities Lending Series Fund Class II, SSgA Target Retirement 2050 Securities Lending Series Fund Class II, and SSgA Target Retirement 2055 Securities Lending Series Fund Class II available on or after 1 June 2012) — These funds of funds invest in a portfolio of index commingled funds tracking U.S. stocks, U.S. bonds, and international stocks. The allocation of assets shifts from one weighted more heavily to stocks to one more heavily weighted to bonds as the target date approaches and continues this transition for five additional years.

Corporate Bond Fund (Western Asset Core Plus Bond Portfolio Financial Fund Class I) — This mutual fund seeks to maximize total return by investing in intermediate-term (duration of three to seven years) U.S. dollar-denominated fixed income securities issued by domestic and foreign entities.

Bond Index Fund (Vanguard Total Bond Market Index Fund) (available on or after 1 June 2012) — This mutual fund seeks to track the performance of a broad, market-weighted bond index. The fund employs a "passive management", or indexing investment approach, designed to track the performance of the Barclays Capital U.S. Aggregate Float Adjusted Index.

Balanced Fund (Dodge & Cox Balanced Fund) – This mutual fund seeks to provide regular income, conservation of principal, and an opportunity for long-term growth of principal and income through investments in a diversified portfolio of common stocks, preferred stocks, bonds, and cash equivalents.

S&P 500 Index Stock Fund

- (i) SSgA S&P 500 Index Securities Lending Series Fund Class II (available prior to 1 June 2012) This commingled fund seeks to provide investment results that parallel the performance results of the Standard and Poor's 500 Index by investing in common stocks of companies that comprise this index.
- (ii) Spartan 500 Index Fund (available on or after 1 June 2012) This mutual fund seeks to provide investment results that parallel the performance results of the Standard and Poor's 500 Index by investing in common stocks of companies that comprise this index.

Extended Market Index Fund (Spartan Extended Market Index Fund) (available on or after 1 June 2012) – This mutual fund seeks to provide investment results that correspond to the total return of stocks of mid- to small-capitalization United States companies that are not included in the Standard and Poor's 500 Index. The fund normally invests at least 80% of its assets in common stocks included in the Dow Jones U.S. Completion Total Stock Market Index.

Mid Cap Core Fund (Principal MidCap Blend Fund) (available on or after 1 June 2012) — This mutual fund seeks long-term growth of capital by investing primarily in common stocks and other equity securities of medium-capitalization companies. It normally invests at least 80% of net assets in companies with market capitalizations similar to those of companies in the Russell Midcap Index.

Notes to Financial Statements 30 September 2012 and 2011

Large Cap Value Fund (Vanguard Windsor II Fund Class Admiral) – This mutual fund seeks to generate long-term growth of capital as well as income from dividends. This fund invests in common stocks of large companies that the fund's management believes are out of favor or undervalued.

Large Cap Growth Fund

- (i) American Funds Growth Fund of America Fund Class R5 (available prior to 1 June 2012) This mutual fund seeks long-term growth of principal within the arena of large capitalization growth stocks.
- (ii) JPMCB Large Cap Growth Trust (available on or after 1 June 2012) This commingled fund seeks long-term capital appreciation by investing in a diversified portfolio of equity securities of companies with market capitalizations similar to those within the universe of the Russell 1000 Growth Index (the Benchmark) and attempts to outperform the Benchmark over a full market cycle.

International Stock Funds

- (i) Fidelity International Discovery Fund Class K This mutual fund invests a majority of its assets in non-U.S. common stocks, with a focus on those that pay current dividends and that the fund's management believes show potential for capital appreciation. The fund may opportunistically invest in non-U.S. debt securities, including lower-quality debt securities.
- (ii) Vanguard Total International Stock Index Fund (available on or after 1 June 2012) This mutual fund seeks to track the performance of the MSCI All Country World ex USA Investable Market Index, an index designed to measure equity market performance in developed and emerging markets, excluding the United States. The fund employs a "passive management" or indexing-investment approach.

Small Capitalization Equity Fund (Pyramis Small Capitalization Core Commingled Pool) – This commingled fund seeks long-term capital growth within the arena of domestic small capitalization companies.

Company Stock Fund (Common Stock of Air Products and Chemicals, Inc.) — This fund is a nondiversified investment option designed to provide participants with an opportunity to share in the potential growth of the Company's common stock. This fund is a nonleveraged employee stock ownership plan within the Plan allowing participants to have dividends reinvested in their Company Stock Fund account or to receive quarterly dividend checks. Interest-bearing cash held in the fund is presented separately as a short-term investment.

Fixed Income Securities Fund (Stable Value Fund) — This fund invests in a diversified portfolio of high-quality bonds that are "wrapped" by high-quality financial institutions that guarantee principal and a predetermined interest rate yield. This fund also invests in traditional investment contracts with insurance companies and banks that guarantee principal and a predetermined interest rate yield.

Notes to Financial Statements 30 September 2012 and 2011

Self-Directed Brokerage Account (Fidelity BrokerageLink) – A brokerage account that offers a range of Fidelity and Non-Fidelity mutual funds. Interest bearing cash held in the account is presented separately as a short-term investment.

Participant changes to investment elections can apply to future contributions, accumulated saving, or both. Participant investment election changes completed by 4 p.m. (Eastern Time) are effective the same New York Stock Exchange (NYSE) business day and are reflected in the participant's accounts the next NYSE business day.

Participants may not redirect accumulated savings directly from the Fixed Income Securities Fund to the Money Market Fund or to Fidelity BrokerageLink.

The fair value of individual investments that represent 5% or more of the Plan's total net assets available for benefits as of 30 September 2012 and 2011 was as follows:

Investment	2012	2011
	 (In thous	ands)
Corporate Bond Fund	\$ 116,692	78,431
Balanced Fund	123,261	109,219
S&P 500 Index Stock Fund	119,490	95,176
International Stock Fund	84,982	76,613
Small Capitalization Equity Fund	88,329	*
Large Cap Value Fund	184,645	150,788
Company Stock	384,286	370,379
Fixed Income Securities Fund	231,970	236,937

^{*} Investment did not exceed 5% of net assets available for benefits at 30 September 2011

(2) Summary of Accounting Policies

(a) Basis of Accounting

The financial statements have been prepared on the accrual basis of accounting. The Company has elected to file these financial statements with the Securities and Exchange Commission prepared in conformity with guidelines issued under ERISA, as amended.

Fully benefit-responsive contracts held in the Fixed Income Securities Fund are included in the financial statements at fair value and are then adjusted to contract value in determining net assets available for benefits.

(b) Use of Estimates

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of net assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Notes to Financial Statements 30 September 2012 and 2011

(c) Investment Valuation and Income Recognition

The Plan's investments are stated at fair value. Quoted market prices are used to value investments. Shares of mutual and commingled funds are valued at the net asset value (NAV) of shares held by the Plan at year-end. The investments are using NAV as a practical expedient for fair value.

The fair value of the contracts held in the Fixed Income Securities Fund is calculated by discounting the related cash flows based on current yields of similar instruments with comparable durations (note 4). See note 3 for disclosure of the Plan's fair value measurements.

Purchases and sales are recorded on a trade-date basis. Interest is recorded on an accrual basis. Dividends are recorded on the ex-dividend date.

(d) Risks and Uncertainties

Investment securities, in general, are exposed to various risks, such as interest rate, credit, and overall market volatility risks. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and could materially impact participants' account balances and the amounts reported in the accompanying statements of net assets available for benefits. The Plan's exposure to a concentration of credit risk is dependent upon the investment allocations selected by the Plan's participants. At 30 September 2012 and 2011, 24% and 26% of the Plan's net assets, respectively, were invested in the common stock of the Company. The underlying value of the Company's stock is impacted by the performance of the Company, the market's evaluation of such performance, and other factors.

(e) Payment of Benefits

Benefits are recorded when paid.

(f) Recent Accounting Pronouncements

In January 2010, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) 2010-06, *Improving Disclosures about Fair Value Measurements*, amending Accounting Standards Codification (ASC) No. 820, *Fair Value Measurements and Disclosures* (ASC 820). The guidance requires disclosure of transfers of assets and liabilities between Levels 1 and 2 of the fair value hierarchy, and information on purchases, sales, issuances, and settlements on a gross basis in the reconciliation of the assets and liabilities measured under Level 3 of the fair value hierarchy. The amendment also clarifies existing disclosure requirements on levels of disaggregation and disclosures about inputs and valuation techniques. The guidance was effective for the Plan's financial statements for the year ended 30 September 2011, except for the disclosure requirements on Level 3 activity, which is effective for the Plan's financial statements for the year ended 30 September 2012. The adoption did not materially affect the Plan's financial statements.

In May 2011, ASC 820 was further amended with the issuance by the FASB of ASU 2011-04, Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in U.S. GAAP and IFRSs. The amendment changes certain fair value measurement principles, clarifies the application of existing fair value measurements and expands the disclosure requirements,

Notes to Financial Statements 30 September 2012 and 2011

particularly for Level 3 fair value measurements. This amendment is to be applied prospectively and will be effective for the Plan year beginning 1 October 2012. The Plan's management does not expect its adoption to have a material effect on the Plan's financial statements.

(3) Fair Value Measurements

Fair value is defined as an exit price (i.e., the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date). The three-level fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value includes:

- Level 1 Quoted prices (unadjusted) in active markets for identical assets or liabilities;
- Level 2 Inputs that are observable for the asset or liability, either directly or indirectly through market corroboration, for substantially the full term of the asset or liability; and
- Level 3 Inputs that are unobservable for the asset or liability based on the Company's own assumptions (about the assumptions market participants would use in pricing the asset or liability).

If the inputs used to measure the financial assets and liabilities fall within more than one level described above, the categorization is based on the lowest level input that is significant to the fair value measurement of the instrument.

Within the Plan, investments are recorded at fair value as follows:

(a) Mutual Funds

The Mutual funds are valued at their respective NAV. The NAV is based on the value of the underlying assets owned by the funds, less their liabilities then divided by the number of shares outstanding. The NAV is quoted in an active market and therefore presented as a Level 1 asset.

(b) Company Stock Fund

The Company Stock Fund is valued based on the number of shares held by the Plan at year-end multiplied by the closing price of the Company's stock on the New York Stock Exchange and therefore presented as a Level 1 asset.

(c) Commingled Funds

Commingled funds are valued at NAV, determined by each fund's trustee based on the fair value of the underlying securities within the funds, which are traded on active markets and presented as a Level 2 asset.

(d) Fixed Income Securities Fund

The Fixed Income Securities Fund comprises both the fair value of traditional investment contracts and short- to intermediate-term fixed income securities that are included in commingled funds, which are wrapped by third-party financial institutions. The fair value of the traditional investment contracts and wrap contracts is calculated based on the discounted present value of the differences between the replacement cost and actual cost of the contracts. The fair value of the underlying short-

Notes to Financial Statements 30 September 2012 and 2011

to intermediate-term fixed income securities held by the commingled funds is based upon the NAV. Similar to the commingled funds noted above, the underlying securities are traded on active markets. As the fair value of the traditional investment contracts and wrap contracts represents an insignificant portion of the total value of the Fixed Income Securities Fund, the fund itself has been presented as a Level 2 asset.

(e) Investments Measured at Fair Value

Investments measured at fair value at 30 September 2012 and 2011 are summarized below (in thousands):

			30 Septem	ber 2012	
	_	Total	Level 1	Level 2	Level 3
Assets:					
Interest-bearing cash	\$	12,714	12,714	Production of the Control of the Con	
Money Market Fund		30,100	30,100		
Mutual Funds		670,277	670,277		
Company Stock		384,286	384,286		
Commingled Funds		278,363		278,363	_
Fixed Income Securities Fund	_	231,970		231,970	
Total investments	\$_	1,607,710	1,097,377	510,333	

			30 Septem	ber 2011	
		Total	Level 1	Level 2	Level 3
Assets:					
Interest-bearing cash	\$	11,952	11,952	_	
Money Market Fund		31,599	31,599	_	
Mutual Funds		493,774	493,774		
Company Stock		370,379	370,379	-	_
Commingled Funds		245,684		245,684	_
Fixed Income Securities Fund	_	236,937		236,937	
Total investments	\$_	1,390,325	907,704	482,621	

For the years ended 30 September 2012 and 30 September 2011, there were no significant transfers in or out of Levels 1 or 2.

(4) Fixed Income Securities Fund

Contributions made to the Fixed Income Securities Fund (Fund) are invested in traditional investment contracts with insurance companies and other financial institutions, and short- to intermediate-term fixed income securities or portfolios that are "wrapped" by third-party financial institutions that guarantee principal and a predetermined interest rate yield. The contract issuers of the traditional investment

Notes to Financial Statements 30 September 2012 and 2011

contracts and the wrap providers are highly rated financial institutions. The contracts held in this Fund are deemed fully benefit-responsive as they provide that the Plan's participants may make withdrawals at contract value. As described in note 2, because the contracts are deemed fully benefit-responsive, contract value is the relevant measurement attributable for the contracts held in the Fund. Contract value represents contributions made under the contract, plus earnings, less participant withdrawals and administrative expenses.

The Fund's contracts are included in the accompanying statements of net assets available for benefits at fair value, and are then adjusted to contract value in determining net assets available for benefits. The contract value of the contracts in this portfolio was \$221,651,000 and \$229,323,000 at 30 September 2012 and 2011, respectively.

No valuation reserves were recorded against the contract value for credit risk of the contract issuers or otherwise for the Fund at 30 September 2012 and 2011. The average annualized yield was 0.84% and 1.49% as of 30 September 2012 and 2011, respectively. The Fund's annualized crediting interest rates as of 30 September 2012 and 2011 were 2.02% and 2.43%, respectively. The crediting interest rate is based on the provisions agreed upon with the issuer, which reset monthly, but it may not be less than zero.

Key factors that could influence future average interest crediting rates include, but are not limited to: Plan cash flows, changes in interest rates, total return performance of the bond strategies underlying each of the Fund's contracts, and default or credit failures of any of the securities, investment contracts, or other investments held in the Fund.

Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value. Certain events, although considered unlikely and not probable, such as a change in administration or operation of the Plan or Fund, group terminations, layoffs, or exclusion of group eligibility in the Plan, may limit the ability of participants to access their investments at contract value. The contract issuers may terminate the contracts in the unlikely event of a default by the Plan.

(5) Income Tax Status

The Internal Revenue Service (IRS) has determined and informed the Company, by letter dated 20 August 2003, that the Plan and related trust are designed in accordance with applicable sections of the IRC. Although the Plan has been amended since receiving the determination letter, the Plan Administrator and the Plan's tax counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and therefore believe that the Plan is qualified and the related trust is tax-exempt.

U.S. generally accepted accounting principles require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of 30 September 2012, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The Plan administrator believes it is no longer subject to income tax examinations for years prior to 2008.

Notes to Financial Statements 30 September 2012 and 2011

(6) Expenses of the Plan

All reasonable third-party fees and expenses for administration of the Plan have been paid by the Plan, including (but not limited to) trustee fees, record-keeping fees, audit fees, proxy voting fees, and communication expenses. Such expenses may be assessed to participant accounts as a quarterly administrative charge. Expenses incident to the management of the Plan's investments are deducted from the earnings of the respective investments.

(7) Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, the entire amount credited to each participant's account will be fully vested.

(8) Net Change in Fair Value of Investments

The net appreciation (depreciation) in fair values of investments (including gains and losses on investments bought and sold, as well as held during the year) for the years ended 30 September 2012 and 2011 is as follows:

	2012	2011
	(In the	ousands)
Life Cycle Funds \$	18,855	406
Corporate Bond Fund	5,843	410
Bond Index Fund	11	_
Balanced Fund	23,763	(4,171)
S&P 500 Index Stock Fund	27,678	1,316
Extended Market Index Fund	51	_
Mid Cap Core Fund	144	_
Large Cap Growth Fund	12,458	(2,351)
International Stock Funds	13,028	(11,293)
Large Cap Value Fund	40,602	(1,920)
Small Capitalization Equity Fund	26,222	(2,956)
Company Stock Fund	33,081	(26,896)
Fixed Income Securities Fund	4,521	5,439
Self-Directed Brokerage Account	3,582	(1,769)
\$ _	209,839	(43,785)

(9) Related-Party Transactions

The Plan holds common stock of the Company, representing qualifying equity securities as defined by ERISA, valued at \$384,286,000 and \$370,379,000, representing 24% and 26% of net assets available for plan benefits at 30 September 2012 and 2011, respectively.

The Plan invests in funds managed by Fidelity valued at \$260,692,000 and \$235,754,000 representing 16% and 17% of net assets available for plan benefits at 30 September 2012 and 2011, respectively.

Notes to Financial Statements 30 September 2012 and 2011

(10) Reconciliation of Financial Statements to Form 5500

The following is a reconciliation of net assets available for benefits per the financial statements at 30 September 2012 and 2011 to Form 5500:

		2012	2011
		(In thou	sands)
Net assets available for benefits per the financial statements Adjustment from contract value to fair value for fully	\$	1,618,135	1,404,418
benefit-responsive investment contracts Amounts allocated to withdrawing participants	_	10,319 (3,407)	7,614 (4,108)
Net assets available for benefits per Form 5500	\$ _	1,625,047	1,407,924

The following is a reconciliation of benefits paid to participants per the financial statements for the year ended 30 September 2012 to Form 5500:

	_	(In thousands)
Distributions to participants per the financial statements Amounts allocated to withdrawing participants at 30 September 2012 Amounts allocated to withdrawing participants at 30 September 2011	\$ 	105,299 3,407 (4,108)
Distributions to participants per Form 5500	\$ _	104,598

The following is a reconciliation of the increase in net assets per the financial statements for the year ended 30 September 2012 to Form 5500:

	<u>(I)</u>	n thousands)
Increase in net assets per the financial statements Change in the adjustment from contract value to fair value for fully	\$	213,717
benefit-responsive investment contracts Change in amounts allocated to withdrawing participants		2,705 701
Net increase per Form 5500	\$	217,123

Notes to Financial Statements 30 September 2012 and 2011

(11) Subsequent Events

The Plan has evaluated subsequent events for potential recognition and/or disclosure through 26 March 2013, the date these financial statements were issued. There were no subsequent events required to be recognized or disclosed in the financial statements.

Schedule H, Line 4(i) – Schedule of Assets (Held at end of Year)

30 September 2012

(In thousands)

Identity of issue	Description	Current value
* Fidelity Trust Management Company: Interest-bearing cash	Cash	\$ 12,714
* Money Market Fund: Fidelity Money Market Trust Retirement Government Money Market Portfolio	Money market fund; par value	30,100
Life Cycle Funds (Lending Series Fund Class II): SSgA Target Retirement Income Securities SSgA Target Retirement 2010 Securities SSgA Target Retirement 2015 Securities SSgA Target Retirement 2020 Securities SSgA Target Retirement 2025 Securities SSgA Target Retirement 2030 Securities SSgA Target Retirement 2030 Securities SSgA Target Retirement 2035 Securities SSgA Target Retirement 2040 Securities	Commingled investment pool	5,717 6,813 19,640 28,395 10,795 22,875 4,646
SSgA Target Retirement 2045 Securities SSgA Target Retirement 2050 Securities SSgA Target Retirement 2055 Securities	Commingled investment pool Commingled investment pool Commingled investment pool	4,355 4,356 484
Corporate Bond Fund: Western Asset Core Plus Bond Portfolio Financial Fund Class I	Mutual fund shares: 9,999,324 shares	116,692
Bond Index Fund: Vanguard Total Bond Market Index Fund	Mutual fund shares: 261,771 shares	2,932
Balanced Fund: Dodge and Cox Balanced Fund	Mutual fund shares: 1,609,785 shares	123,261
S&P 500 Index Stock Fund: Spartan 500 Index Fund	Mutual fund shares: 2,328,790 shares	119,490
Extended Market Index Fund: Spartan Extended Market Index Fund	Mutual fund shares: 30,090 shares	1,211
Mid Cap Core Fund: Principal MidCap Blend Fund	Mutual fund shares: 199,595 shares	3,116
Large Cap Value Fund: Vanguard Windsor II Fund Class Admiral	Mutual fund shares: 3,537,946 shares	184,645
Large Cap Growth Fund: JPMCB Large Cap Growth Fund	Commingled investment pool	66,340
International Stock Funds: * Fidelity International Discovery Fund Class K Vanguard Total International Stock Index Fund	Mutual fund shares: 2,678,302 shares Mutual fund shares: 44,580 shares	84,982 1,273
* Small Capitalization Equity Fund: Pyramis Small Capitalization Core Commingled Pool	Commingled investment pool	88,329
* Company Stock: Air Products and Chemicals, Inc. Common Stock	Common stock: 4,646,753 shares Historical cost: \$262,191	384,286
Fixed Income Securities Fund: Invesco Stable Value Fund	Guaranteed investment contracts, 0.84% (average yield) in 2012	231,970
* Self-Directed Brokerage Account: Fidelity BrokerageLink	Brokerage account for many publicly available mutual funds	32,675
Total investments	· · · · · · · · · · · · · · · · · · ·	\$
* Participant loans	Interest rates ranging from 4.25% to 12.5% with various maturity dates	\$ 18,674
* Paneacante invastmente with a party in interest		

* Represents investments with a party in interest.

See accompanying independent auditors' report.