UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 11-K

ANNUAL REPORT Pursuant to Section 15(d) of the Securities Exchange Act of 1934 For The Year Ended December 31, 2005

Commission file number: 1-10431

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN

IRS Employer Identification Number: 33-0379007

AVX CORPORATION P.O. Box 867 Myrtle Beach, SC 29578

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Report of Independent Registered Public Accounting Firm

Participants and Administrator

AVX Nonqualified Supplemental Retirement Plan

We have audited the accompanying statement of financial condition with fund information of AVX Nonqualified Supplemental Retirement Plan (the Plan) as of December 31, 2005, and the related statement of income and changes in plan equity with fund information for the year 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 audit.

We conducted our audit in accordance with the 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. The Plan is not required to have nor were we engaged to perform an audit of its internal control over financial reporting. Our audit included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the 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 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 audit provides 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 December 31, 2005, and the changes in its net assets available for benefits for the year then ended in conformity with accounting principals generally accepted in the United States of America.

/s/ GRANT THORNTON LLP

Columbia, South Carolina April 7, 2006

Report of Independent Registered Public Accounting Firm

To the Participants and Administrator of AVX Nonqualified Supplemental Retirement Plan

In our opinion, the accompanying statements of financial condition with fund information and the related statements of income and changes in plan equity with fund information present fairly, in all material respects, the financial condition of AVX Nonqualified Supplemental Retirement Plan (the "Plan") at December 31, 2004, and the income and changes in plan equity for each of the two years in the period ended December 31, 2004 in conformity with accounting principles generally accepted in the United States of America. 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 of these statements in accordance with the 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, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

/s/ PricewaterhouseCoopers LLP

Atlanta, Georgia March 31, 2005

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN STATEMENT OF FINANCIAL CONDITION WITH FUND INFORMATION As of December 31, 2005

	Total	AVX Stock Fund	Kyocera Stock Fund	Seligman Equity Value Portfolio	T Rowe Price Spectrum Income Fund	MainStay Cash Reserves Fund	Templeton Foreign Equity Fund	MainStay S&P 500 Index Fund	Janus Balanced Fund	Janus Fund
ASSETS:										
Investments										
at fair value:										
Other										
investments										
(cost	÷= 120 (11	***	*10 = 0 6	** 440 #60		\$	* * * * * * * * * *	* 400 0 0 5		±106 = 0=
\$4,775,931)	\$5,138,644	\$19,000	\$12,796	\$1,113,560	\$646,096	\$578,270	\$684,800	\$408,935	\$420,032	\$196,787
AVX										
Corporation										
Common										
Stock (cost	005 072	005 072								
\$813,314) Kyocera	885,973	885,973								
Corporation										
American										
Depositary										
Shares (cost										
\$578,788)	606,442		606,442							
Total	000,772	-	000,7-12							·
investments	6,631,059	904,973	619,238	1,113,560	646,096	578,270	684,800	408,935	420,032	196,787
III v estillelles	0,051,057	701,770	017,200	1,115,500	010,000	570,270	001,000	100,755	120,032	170,707
Receivable:										
Employer										
contribution	58,370	6,702	5,595	6,186		18,123	1,230	3,477	5,082	3,230
	,-	- , -	- ,	- ,		- ,	,	- ,	- , -	- 1
Plan equity	\$6,689,429	\$911,675	\$624,833	\$1,119,746	\$646,096	\$596,393	\$686,030	\$412,412	\$425,114	\$200,017

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN STATEMENT OF FINANCIAL CONDITION WITH FUND INFORMATION As of December 31, 2004

	Total	AVX Stock Fund	Kyocera Stock Fund	Seligman Equity Value Portfolio	T Rowe Price Spectrum Income Fund	Vanguard Treasury Money Market Fund	Templeton Foreign Equity Fund	Vanguard 500 Index Fund	Janus Balanced Fund	Janus Fund	Lor Abb Mid (Val Fur
ASSETS: Investments at fair value: Other investments (cost	:										
\$1,879,199) AVX Corporation Common Stock (cost	\$1,990,441	\$2,350	\$14	\$407,906	\$333,344	\$170,422	\$245,885	\$163,384	\$100,063	\$83,296	\$330,
\$558,969) Kyocera Corporation American Depositary Shares (cost	473,206	473,206									
\$171,124) Total	189,140		189,140								
investments	2,652,787	475,556	189,154	407,906	333,344	170,422	245,885	163,384	100,063	83,296	330,
Receivable: Employer contribution	27,388	2,874	3,915	2,076		6,206	614	3,411	3,226	812	
Plan equity	\$2,680,175	\$478,430	\$193,069	\$409,982	\$333,344	\$176,628	\$246,499	\$166,795	\$103,289	\$84,108	\$330,

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN STATEMENT OF INCOME AND CHANGES IN PLAN EQUITY WITH FUND INFORMATION For the year ended December 31, 2005

N	Total	AVX Stock Fund	Kyocera Stock Fund	Seligman Equity Value Portfolio	T Rowe Price Spectrum Income Fund	Vanguard Treasury Money Market Fund		Templeton Foreign Equity Fund	Vanguard 500 Index Fund	
Net investment income (loss): Dividends Interest Net appreciation (depreciation) in fair value of	\$95,933 16,402	\$ 9,315	\$ 7,025	\$ 70 	\$ 26,530 	\$ 9,184		\$ 10,703 	\$ 3,362	\$ 6.
investments Total income	324,235	144,682	(30,789)	101,759	(13,240)			54,286	3,880	4.
(loss)	436,570	153,997	(23,764)	101,829	13,290	9,184	7,218	64,989	7,242	10
Contributions: Employer Employee Total contributions	120,878 486,258 607,136	42,965 72,228 115,193	9,605 63,019 72,624	8,455 48,238 56,693		6,731 71,595 78,326	21,659	·	3,356 40,784 44,140	13.
Deductions: Benefit payments Income (loss) and change in plan equity	(791,698) 252,008	(93,475) 175,715	(20,142) 28,718	(15,639) 142,883	(1,914) 11,376	, , ,		(70,852) 8,339	(121,775) (70,393)	
Transfer of funds from employee investment elections, net	-	1,990	(91)	33,950	(4)	(542,848)	549,088	(36,154)	(399,022)	384
Transfer of funds from AVX SERP Plan	3,757,246	255,540	403,137	532,931	301,380	381,383		467,346	302,620	
Plan equity at beginning of year	2,680,175	478,430	193,069	409,982	333,344	176,628		246,499	166,795	

Plan equity at

end of year \$6,689,429 \$911,675 \$624,833 \$1,119,746 \$646,096 \$--- \$596,393 \$686,030 \$--- \$412,

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN STATEMENT OF INCOME AND CHANGES IN PLAN EQUITY WITH FUND INFORMATION For the year ended December 31, 2004

	Total	AVX StockFund	Kyocera StockFund	Seligman Equity Value Portfolio	T Rowe Price Spectrum Income Fund	Vanguard Treasury Money Market Fund	Templeton Foreign Equity Fund	Vanguard 500 Index Fund	Janus Balanced Fund
Net investment		Stocki unu	Stocki una	Tortiono	Tunu	Tunu	Tunu	Tunu	Tunu
income (loss):									
Dividends Interest Net appreciation (depreciation)	\$37,777 2,148	\$6,109 	\$1,271 	\$2,091	\$13,140 	\$ 2,148	\$5,218	\$3,463	\$2,006
in fair value of									
investments	(21,223)	(201,338)	22,224	58,274	11,726	(309)	33,193	12,793	5,995
Total income (loss)	18,702	(195,229)	23,495	60,365	24,866	1,839	38,411	16,256	8,001
Contributions:									
Employer	113,632	26,098	12,310	13,243		20,377	3,330	11,110	11,329
Employee	8,756	8,756							
Total contributions	122,388	34,854	12,310	13,243		20,377	3,330	11,110	11,329
Deductions: Benefit payments	(286,221)	(59,692)	(155)	(13,106)		(41,333)	(16,409)	(53,743)	(14,446)
Income (loss) and change in	(, ,	(,,	(/	(- , ,		(,)	(2, 22,	(==,, =,	(, -,
plan equity	(145,131)	(220,067)	35,650	60,502	24,866	(19,117)	25,332	(26,377)	4,884
Transfer of funds from employee investment elections, net				(36,783)			881		(⁄2
Plan equity at beginning of year	2,825,306	698,497	157,381	386,301	308,478	195,745	220,286	193,172	98,405
Plan equity at end of year	\$2,680,175	\$478,430	\$193,031	\$410,020	\$333,344	\$176,628	\$246,499	\$166,795	\$103,289

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN STATEMENT OF INCOME AND CHANGES IN PLAN EQUITY WITH FUND INFORMATION For the year ended December 31, 2003

Net investment	Total	AVX StockFund	Kyocera StockFund	Seligman Equity Value Portfolio	T Rowe Price Spectrum Income Fund	Vanguard Treasury Money Market Fund	Templeton Foreign Equity Fund	Vanguard 500 Index Fund	Janus Balanced Fund
income (loss): Dividends Interest Net appreciation (depreciation)	\$35,684 1,780	\$6,602 	\$1,064	\$619 	\$17,607 	\$ 1,780	\$4,384 	\$2,920 	\$1,737
in fair value of investments Total income	681,405	293,591	23,106	105,357	36,382	1.700	47,476	·	9,766
(loss) Contributions: Employer Employee Total contributions	718,869 48,552 13,172 61,724	300,193 21,342 13,172 34,514	24,170 4,028 4,028	2,535 2,535	53,989	1,780 6,889 6,889	·	·	3,831 3,831
Deductions: Benefit payments Income (loss) and change in plan equity	(226,703) 553,890	(63,567) 271,140	(29) 28,169	(10,034) 98,477	 53,989	(40,386) (31,717)	53,088	(42,681) 9,326	(15,334
Transfer of funds from employee investment elections, net		884	(160)	(518)	(132,292)	(339)	86	(824)	88
Plan equity at beginning of year	2,271,416	426,473	129,372	288,342	386,781	227,801	167,112	184,670	82,983
Plan equity at end of year	\$2,825,306	\$698,497	\$157,381	\$386,301	\$308,478	\$195,745	\$220,286	\$193,172	\$98,405 \$

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN NOTES TO FINANCIAL STATEMENTS

1. Description of Plan

The following brief description of the AVX Nonqualified Supplemental Retirement Plan (the "Plan") is provided for general information purposes only. Participants should refer to the Plan document for more complete information.

General

The Plan was established August 1, 1994 to provide certain officers and highly compensated managers of AVX Corporation (the "Company") with supplemental retirement benefits. Effective January 1, 2005 the AVX Corporation SERP Plan, that was established January 1, 1998, was merged into the Plan. All balances from the SERP Plan were transferred into the Plan. Any employee eligible to participate in the AVX Corporation Retirement Plan whose annual compensation is in excess of \$210,000 (as such limit is defined by the Internal Revenue Code) is eligible to participate in the Plan. An employee who, in prior years, becomes an eligible participant in the Plan shall continue to be eligible to fully participate in the Plan regardless of whether such employee's annual compensation falls below the annual compensation limit for the year. The Company is the Plan's sponsor and Plan administrator. HSBC Bank USA was the Plan's trustee until September 2005. All Plan assets were moved to New York Life (the "Trustee") at that time. New York Life is now the Plan's trustee and record keeper.

Deferred Compensation Contribution

The Plan is split into two parts. There is a SERP portion and a Supplemental Retirement portion. The SERP portion allows each participant to defer receipt of all or a portion of annual compensation currently in excess of \$210,000 (as such limit is defined by the Internal Revenue Code) otherwise payable by the Company to such employee. The Supplemental Retirement portion allows participants to defer an amount from 1% to 3% of eligible compensation (currently between \$210,000 and \$600,000). Beginning January 1, 2001, eligible compensation for employee contributions is determined based on total compensation less any amount deferred under the AVX Corporation SERP Plan. A matching contribution of 100% is made by AVX Corporation. Compensation deferred by a participant and the matching contribution made by the Company shall be invested in the AVX Stock Fund.

Company Matching Contribution

The Company will match contributions equal to 100% of the first 3% of the amount that is deferred under the SERP portion of the Plan. The Company will also match contributions equal to 100% of the first 3% of the amount deferred that is related to eligible compensation between \$210,000 (as indexed) and \$600,000 in the Supplemental Retirement Plan.

Non-discretionary Contribution

The Company will make an annual contribution equal to 5% of eligible compensation.

Discretionary Contribution

The Company may make an annual contribution between 0% - 5% of eligible compensation. The contribution amount is subject to approval by the Company's Board of Directors.

Vesting

Each participant shall be fully vested and have a non-forfeitable interest in his account.

Payment of Benefits

Benefits under the Plan shall be payable to a participant or beneficiary upon the earlier of such participant's termination of employment or death in a lump-sum payment or in installments over a period not to exceed 10 years.

2. Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are presented on the accrual basis of accounting.

Contributions

Employer contributions under the non-discretionary contribution feature include amounts equal to the aggregate that would have been contributed based on a participant's eligible compensation under the non-discretionary contribution feature of the AVX Retirement Plan. The employer contributions associated with the discretionary contribution feature of the Plan are not readily determinable until after the Company's fiscal year ended March 31 and are included in the Plan in the year paid.

Payment of Benefits

Benefits are recorded when paid.

Investment Valuation and Income Recognition

Investments in securities traded on a national securities exchange are valued at the closing sales price on the last business day of the plan year. Plan investments in any investment companies, unit investment trusts or similar investment funds are valued daily at their closing net asset values (or unit value) per share. Temporary cash investments in money market funds are valued at par, which represents market value as determined by the Trustee. For purposes of determining realized gains and losses, the Plan uses the average cost method to determine the cost basis of disposed assets. Net appreciation (depreciation) in fair value of investments on the Statement of Income and Changes in Plan Equity with Fund Information represents realized losses and the cumulative change in unrealized appreciation (depreciation) for the respective years.

Administrative Expenses

Administrative expenses of the Plan are paid by the Company.

Use of Estimates

The preparation of the Plan's financial statements in conformity with generally accepted accounting principles requires the plan administrator to make significant estimates and assumptions that affect the reported amounts of plan equity at the date of the financial statements and the changes of plan equity during the reporting period and, when applicable, disclosures of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

Dividend and Interest Income Recognition

Interest income is accrued when earned. Dividend income is recorded on the ex-dividend date.

3. Investment Programs

As of December 31, 2005, the investment alternatives include the following:

MainStay Cash Reserves Fund: The MainStay Cash Reserves Fund seeks a high level of current income while preserving capital and maintaining liquidity. The Fund invests in short-term dollar denominated securities. This fund had ten participants at December 31, 2005 and no participants at December 31, 2004.

T.Rowe Price Spectrum Income Fund: The T.Rowe Price Spectrum Income Fund seeks a high level of current income consistent with moderate share price fluctuation by investing primarily in domestic bond funds and also in a foreign bond fund. This fund had four participants at December 31, 2005 and 2004. This fund is no longer an investment alternative for future contributions.

Seligman Equity Value Portfolio: The Seligman Equity Value Portfolio seeks capital appreciation through a value-oriented, diversified portfolio comprised of high-quality stocks. This fund had eight participants at December 31, 2005 and ten participants at December 31, 2004.

Kyocera Stock Fund: This fund is invested exclusively in shares of the Kyocera Corporation. The objective is to give participants the opportunity to share in the success and growth of Kyocera and AVX by allowing participants to become part owners. The fund's value will fluctuate, based on the success of Kyocera, AVX and the stock market in general. This fund had four participants at December 31, 2005 and 2004.

Templeton Foreign Equity Fund: The Templeton Foreign Fund seeks long-term capital growth by investing in stocks and debt obligations of companies and governments outside the United States. This fund had eight participants at December 31, 2005 and nine participants at December 31, 2004.

AVX Stock Fund: This fund is invested exclusively in shares of AVX stock. This fund also gives participants the opportunity to share in the success and growth of AVX. The fund's value will fluctuate, based on the success of AVX and the stock market in general. This fund had eleven participants at December 31, 2005 and fifteen participants at December 31, 2004.

Janus Balanced Fund: The Janus Balanced Fund seeks long-term growth of capital balanced by current income by normally investing 40% to 60% of assets in securities selected for their growth potential and 40% to 60% of assets in securities selected for their income potential. This fund had seven participants at December 31, 2005 and 2004.

Janus Fund: The Janus Fund seeks long-term growth of capital, consistent with preservation of capital, by investing primarily in common stock of companies of any size. This fund had six participants at December 31, 2005 and seven participants at December 31, 2004.

MainStay S&P 500 Index Fund: The MainStay S&P 500 Index Fund seeks to provide investment results that correspond to the total return performance (reflecting reinvestment of dividends) of common stocks in the aggregate, as represented by the S&P 500 Index. This fund had ten participants at December 31, 2005 and no participants at December 31, 2004.

Lord Abbett Mid-Cap Value Fund: The Lord Abbett Mid-Cap Value Fund seeks capital appreciation. Under normal circumstances, the Fund invests at least 65% of its total assets in middle capitalization companies having an aggregate market value between \$200 million and \$5 billion. This fund had four participants at December 31, 2005 and six participants at December 31, 2004.

PIMCO Total Return Fund: The PIMCO Total Return Fund seeks maximum total return by investing primarily in fixed income securities of varying maturities. This fund had five participants at December 31, 2005 and three participants at December 31, 2004.

The Plan's realized losses for the years ended December 31 were as follows:

	2005	2004	2003
		\$	
Proceeds	\$4,786,460	1,530,197	\$ 735,624
Aggregate cost	4,806,648	1,786,634	838,190
Realized losses	(20,188)	(256,437)	(102,566)
Change in unrealized appreciation			
(depreciation)	344,423	235,214	783,971
Net appreciation (depreciation) in fai	r		
value of investments	\$ 324,235	\$ (21,223)	\$ 681,405

The Plan's unrealized appreciation (depreciation) of investments at December 31 were as follows:

	2005	2004	2003
AVX Corporation Common Stock	\$72,659	\$(85,763)	\$ 99,838
Kyocera Corporation ADS	27,654	18,016	(4,182)
Other investments	362,713	111,242	(287,375)
Total unrealized appreciation	\$	\$ 43,495	\$(191,719)
(depreciation)	463,026		

4. Nonparticipant-Directed Investments:

Information about the net assets and the significant components of the changes in net assets relating to the nonparticipant-directed investments is as follows:

	Decer	nber 31,
	2005	2004
Net Assets:		
MainStay Cash	\$ 6,574	\$
Reserves Fund		
AVX Corporation	276,097	222,256
Common Stock		
Total Assets	\$282,671	\$222,256
	Year	Ended
	Decei	mber 31,
	2	005
Changes in Net Asse	ts:	
Contributions	\$ 3	5,797
Dividends		1,529
Net depreciation	4	5,746
Benefits paid to	(22	2,657)
participants		
Transfers to		
participant-directed		
investments		
Total	\$ 6	0,415

5. Plan Termination

Although the Company has not expressed any intent to do so, it has the right to terminate the Plan at any time. However, termination of the Plan shall not, without the consent of a participant, adversely affect such participant's rights with respect to amounts then accrued in his/her account.

6. Federal Income Taxes

The Plan is a grantor type trust and is not qualified under Section 401 of the Internal Revenue Code. Under Section 671 of the Internal Revenue Code, items of income, deduction or credit in a grantor trust are treated as belonging to the grantor. These items are reported on the income tax return of the grantor, AVX Corporation. Participants must include distributions in taxable income at the time of withdrawal.

7. Transactions with Parties-In-Interest

Amounts of American Depository Shares of Kyocera Corporation, the Company's majority shareholder, held by the Plan at December 31 were as follows:

	2005	2004
Shares	8,287	2,457
Market value per	\$73.18	\$76.98
share		
Market value	\$606,442	\$189,140

Amounts of AVX Corporation common stock held by the Plan at December 31 were as follows:

	2005	2004
Shares	61,186	37,556
Market value per	\$14.48	\$12.60
share		
Market value	\$885,973	\$473,206

8. Risks and Uncertainties

The Plan provides for various investment options in registered investment companies which invest in combinations of stocks, bonds, fixed income securities, mutual funds, and other investment securities. Investment securities are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that such changes could materially affect participants' account balances and the amounts reported in the statement of financial condition with fund information. The market value of the Plan's assets is included as an asset and a liability on the Company's balance sheet because the Plan's assets are available to AVX's general creditors in the event of the Company's insolvency.

9. Subsequent Event

The reported employer contribution receivable as of December 31, 2005 was subsequently received by the Plan on March 6, 2006.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Administrative Committee has duly caused this annual report to be signed by the undersigned thereunto duly authorized.

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN

(Name of Plan)

BY: /s/ Kurt P.

Cummings

Kurt P.

Cummings

Member of

Administrative

Committee

Date: April 13,

2006

AVX NONQUALIFIED SUPPLEMENTAL RETIREMENT PLAN SCHEDULE I - INVESTMENTS As of December 31, 2005

Description	Number of shares/units	Market Value	Percentage of Net Assets
T. Rowe Price			
Spectrum Income			
Fund	54,800	646,096	9.7%
MainStay Cash			
Reserves Fund	610,066	610,066	9.2%
Janus Balanced Fund	18,685	420,032	6.3%
Janus Fund	7,708	196,787	3.0%
Seligman Equity			
Value Portfolio	87,065	1,113,560	16.8%
Templeton Foreign			
Equity Fund	54,006	684,800	10.3%
MainStay S&P 500			
Index Fund	14,219	408,935	6.2%
Lord Abbett Mid-Cap			
Value Fund	16,894	378,598	5.7%
PIMCO Total Return			
Fund	64,740	679,770	10.3%
AVX Corporation			
Common Stock	61,186	885,973	13.4%
Kyocera ADS	8,287	606,442	9.1%
Total Investments		\$6,631,059	