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# 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

ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934.

For the fiscal year ended December 31, 2007

TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934.

For the transition period from

to

Commission file number 1-6948

A. Full title of the plan and the address of the plan, if different from that of the issuer named below: **SPX Corporation Retirement  
Savings and Stock Ownership Plan**

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

### **SPX Corporation**

13515 Ballantyne Corporate Place

Charlotte, North Carolina 28277

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SPX Corporation  
Retirement Savings and  
Stock Ownership Plan

Financial Report

December 31, 2007

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SPX Corporation Retirement Savings and  
Stock Ownership Plan

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Report of Independent Registered Public Accounting Firm

To the SPX Corporation Retirement and Welfare Plan Administrative Committee

SPX Corporation Retirement Savings  
and Stock Ownership Plan

We have audited the accompanying statements of net assets available for benefits of the SPX Corporation Retirement Savings and Stock Ownership Plan as of December 31, 2007 and 2006 and the related statement of changes in net assets available for benefits for the year ended December 31, 2007. 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 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. 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 of the SPX Corporation Retirement Savings and Stock Ownership Plan as of December 31, 2007 and 2006 and the changes in net assets for the year ended December 31, 2007, 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 December 31, 2007 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 audits 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.

/s/ Plante & Moran, PLLC  
Southfield, Michigan  
June 25, 2008

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**SPX Corporation Retirement Savings and  
Stock Ownership Plan**

**Statements of Net Assets Available for Benefits**

	December 31	
	2007	2006
<b>Assets</b>		
Participant-directed investments:		
Interest in SPX Corporation Savings Trust, at fair value (Note 3)	\$ 870,017,793	\$ 779,375,498
Participant loans	15,638,135	15,271,029
Total participant-direct investments, at fair value	885,655,928	794,646,527
Contribution receivable:		
Employer	641,941	665,344
Employee	907,190	876,672
Total contribution receivable	1,549,131	1,542,016
Adjustment from fair value to contract value for interest in SPX Corporation Savings Trust relating to fully benefit-responsive investment contracts	1,063,755	1,700,043
<b>Net Assets Available for Benefits</b>	<b>\$ 888,268,814</b>	<b>\$ 797,888,586</b>

See Notes to Financial Statements.

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**SPX Corporation Retirement Savings and  
Stock Ownership Plan**

**Statement of Changes in Net Assets Available for Benefits  
Year Ended December 31, 2007**

<b>Additions</b>		
Investment gain from interest in net assets of SPX Corporation Savings Trust (Note 3)	\$	138,234,104
Participant loan interest		1,189,345
Contributions:		
Employer		17,725,848
Participants		31,696,850

Rollovers	5,151,341
Net transfer from other plans	16,879
<b>Total additions</b>	<b>194,014,367</b>
<b>Deductions</b>	
Distributions to participants	103,466,475
Administrative expenses	167,664
<b>Total deductions</b>	<b>103,634,139</b>
<b>Net Increase</b>	<b>90,380,228</b>
<b>Net Assets Available for Benefits</b>	
Beginning of year	797,888,586
End of year	<b>\$ 888,268,814</b>

See Notes to Financial Statements.

## SPX Corporation Retirement Savings and Stock Ownership Plan

**Notes to Financial Statements  
December 31, 2007 and 2006**

### Note 1 - Description of the Plan

The following description of the SPX Corporation Retirement Savings and Stock Ownership Plan (the "Plan"), as amended and restated effective December 31, 1999, provides only general information. Participants should refer to the plan agreement for a complete description of the Plan's provisions. The Plan became effective January 1, 1952 and is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA). The Plan operates as a leveraged employee stock ownership plan with a cash or deferred arrangement as described in Internal Revenue Code Section 401(k) and is designed to comply with Section 4975(e)(7) and the regulations thereunder of the Internal Revenue Code (the "Code").

**General** - The Plan is a defined contribution plan that benefits primarily employees of SPX Corporation (the "Employer" or the "Company") who are not covered by collective bargaining agreements and who have met eligibility requirements.

**Contributions** - Participants can contribute a portion of their compensation as a pretax contribution to the Plan, up to the maximum allowed under the Plan and the Code.

As outlined in the plan document, Employer contributions are dependent upon the division of SPX Corporation where the participant is employed. In general, the Company makes matching contributions equal to 100 percent of the participant's pretax contributions up to the first 4 percent of compensation deferred and 50 percent of the participant's pretax contributions in excess of 4 percent of compensation up to a maximum of 6 percent of compensation. Employer contributions are invested in SPX Corporation common stock and are immediately vested and can be transferred at any time, subject to certain trading restrictions.

**Participant Accounts** - - Each participant's account is credited with the participant's contributions, the Employer's matching contributions, if any, and an allocation of plan earnings. Allocation of plan earnings to participant accounts is based on the participant's proportionate share of funds in each of the investment accounts. The benefit to which a participant is entitled is the benefit that can be provided from the participant's account.

Participants elect to invest their account balances and contributions among various investment options provided by the SPX Corporation Retirement and Welfare Plan Administrative Committee (the "Committee"), including an option to invest in SPX Corporation common stock.

**Vesting** - Participants are 100 percent vested in both employee and Employer contributions.

## SPX Corporation Retirement Savings and Stock Ownership Plan

**Notes to Financial Statements  
December 31, 2007 and 2006**

### Note 1 - Description of the Plan (Continued)

**Payment of Benefits** - - Upon termination of service, a participant may elect to receive either a lump-sum distribution or monthly or yearly payments equal to the value of his or her account. A participant who experiences a financial hardship is eligible to receive a distribution from his or her plan account. The Plan also allows participants to withdraw certain portions of their balances attributed to certain benefit plans that have been previously merged into the Plan.

**Investment Options** - Investment in SPX Corporation stock transferred to participants' accounts by reason of the merger of the SPX Corporation Stock Ownership Plan on January 1, 1994 and stock allocated to participants' accounts by reason of matching contributions as discussed above can be redirected to other investment options, subject to certain trading restrictions.

**Participant Loans** - A participant can borrow from the Plan an amount that does not exceed the lesser of \$50,000 or 50 percent of the participant's vested account balance. Loans are collateralized by the balance in the participant's account and bear interest at market rates. Principal and interest are paid ratably through payroll deductions. Other loan provisions are outlined in the plan document.

**Voting Rights** - Each participant is entitled to exercise voting rights attributable to the shares allocated to his or her account. Fidelity Management Trust Company (the "Trustee") is required to vote shares of common stock that have been allocated to participants but for which the Trustee received no voting instructions in the same manner and in the same proportion as the shares for which the Trustee received timely voting instructions.

**Administration** - The Company is the sponsor of the Plan. The Committee, as provided in the plan agreement, is the plan administrator and has responsibility for the administration of the Plan. Fidelity Management Trust Company functions as trustee and investment manager. Investment management fees and trustee fees are paid by the Plan in accordance with the plan agreement.

**Termination** - Although it has not expressed any intent to do so, the Company has the right to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA.

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**SPX Corporation Retirement Savings and  
Stock Ownership Plan**

**Notes to Financial Statements  
December 31, 2007 and 2006**

**Note 2 - Summary of Significant Accounting Policies**

The accompanying financial statements have been prepared on the accrual basis.

**Basis of Accounting** - The Financial Accounting Standards Board Staff Position AAG INV-1 and SOP 94-4-1, *Reporting of Fully Benefit-Responsive Investment Contracts Held by Certain Investment Companies Subject to the AICPA Investment Company Guide and Defined-Contribution Health and Welfare and Pension Plans*, requires the Statement of Net Assets Available for Benefits present the fair value of the investment contracts as well as the adjustment of the fully benefit responsive investment contracts from fair value to contract value. The Statement of Changes in Net Assets Available for Benefits is prepared on a contract value basis.

**Investments** - The Plan's investments are stated at fair value. The fair value of the Plan's interest in the SPX Corporation Savings Trust (the "Master Trust") is based on the beginning of the year value of the Plan's interest in the Master Trust plus actual contributions and allocated income less actual distributions (see Note 3). The Master Trust's investments are stated at fair value. Common collective trust funds that invest in fully benefit-responsive investment contracts (commonly known as stable value funds) within the Master Trust are adjusted to contract value in the financial statements. Contract value represents contributions made under the contract, plus interest at the contract rate, less funds used to pay plan benefits. The fair value of the common collective trust fund is based on discounting the related cash flows of the underlying guaranteed investment contracts based on current yields of similar instruments with comparable durations. Quoted market prices are used to value all other investments in the Master Trust. The participant loans are valued at their outstanding balances, which approximates fair value. Dividend income is accrued on the ex-dividend date.

**Benefit Payments** - Benefits are recorded when paid.

**Income Tax Status** - The Plan constitutes a qualified plan under Sections 401(a) and 401(k) of the Internal Revenue Code (the "Code"), and the related trust is exempt from federal income tax under Section 501(a) of the Code. The Plan obtained its determination letter dated December 4, 2003, in which the Internal Revenue Service stated that the Plan, as designed, was in compliance with the applicable requirements of the Code. Therefore, no provision for income taxes has been included in the Plan's financial statements.

**Use of Estimates** - The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions during the reporting period. Actual results could differ from those estimates.

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**SPX Corporation Retirement Savings and  
Stock Ownership Plan**

**Notes to Financial Statements  
December 31, 2007 and 2006**

**Note 2 - Summary of Significant Accounting Policies (Continued)**

**New Accounting Pronouncement** - In September 2006, the Financial Accounting Standards Board (FASB) issued Statement of Financial Accounting Standards No. 157, *Fair Value Measurements* (SFAS 157). SFAS 157 defines fair value, establishes a framework for measuring fair

value in accordance with generally accepted accounting principles, and expands disclosures about fair value measurements. The provisions of SFAS 157 are effective for the fiscal year beginning after November 15, 2007. The Company is currently evaluating the impact, if any, of the provisions of SFAS 157 on the Plan's financial statements.

### Note 3 - Master Trust Fund

The investments of certain defined contribution plans sponsored by SPX Corporation, including the SPX Corporation Retirement Savings and Stock Ownership Plan, are combined in the Master Trust. Under the terms of a trust agreement between Fidelity Management Trust Company (the "Bank") and the Company, the Bank manages the trust funds of the Master Trust on behalf of the Plan. These transactions qualify as party-in-interest transactions as defined under ERISA guidelines. The Plan's assets in the Master Trust represented 98 percent and 97 percent of the total assets in the Master Trust as of December 31, 2007 and 2006, respectively. Investment income and administrative expenses related to the Master Trust are allocated to the individual plans based on average monthly balances invested by each plan.

The total assets held in the Master Trust at December 31, 2007 and 2006 are as follows:

	2007	2006
Money market fund	\$ 5,761,560	\$ 3,872,187
Common collective trust fund	143,171,062	147,974,830
Mutual funds	527,666,354	514,523,100
Insurance company general account	112,610	538,511
Employer securities	206,430,845	135,519,544
<b>Total Master Trust investments, at fair value</b>	<b>\$ 883,142,431</b>	<b>\$ 802,428,172</b>
Adjustment from fair value to contract value for interest in SPX Corporation Savings Trust relating to fully benefit-responsive investment contracts	1,087,684	1,778,287
<b>Total Master Trust investments</b>	<b>\$ 884,230,115</b>	<b>\$ 804,206,459</b>

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### SPX Corporation Retirement Savings and Stock Ownership Plan

Notes to Financial Statements  
December 31, 2007 and 2006

### Note 3 - Master Trust Fund (Continued)

The investment income for the Master Trust for the year ended December 31, 2007 is as follows:

Net appreciation in fair value of investments:	
Mutual funds	\$ 5,548,731
Employer securities	89,361,026
<b>Net appreciation</b>	<b>94,909,757</b>
Interest and dividends	45,178,260
<b>Net investment income</b>	<b>\$ 140,088,017</b>

### Note 4 - Reconciliation of Financial Statements to Form 5500 (Annual Return/Report of Employee Benefit Plan)

The net assets on the financial statements differ from the net assets on Form 5500 due to a common collective trust fund being recorded at contract value on the financial statements and at fair value on Form 5500. The net assets on the financial statements were higher than Form 5500 at December 31, 2007 by \$1,063,755 and \$1,700,043 at December 31, 2006. Additionally, the net increase in the net assets available for benefits on Form 5500 for the year ended December 31, 2007 is higher by \$636,288.

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### SPX Corporation Retirement Savings and Stock Ownership Plan

Schedule of Assets Held at End of Year  
Form 5500, Schedule H, Item 4i  
EIN 38-1016240, Plan 005  
December 31, 2007

(a) (b) Identity of Issuer	(c) Description	(d) Cost	(e) Current Value
Participants	Participant loans bearing interest at rates from 4.00 percent to 12	—	\$ 15,638,135

Note - In compliance with Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, investments in Master Trust assets are omitted from this schedule.

Schedule 1

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### SIGNATURES

*The Plan.* 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.

SPX CORPORATION RETIREMENT  
SAVINGS AND STOCK OWNERSHIP  
PLAN

By: The SPX Administrative Committee

Date: June 27, 2008

By: /s/ Kevin L. Lilly

Kevin L. Lilly  
Senior Vice President, Secretary and  
General Counsel and Member of the  
SPX Administrative Committee

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### Exhibit Index

<u>Exhibit No.</u>	<u>Description</u>
23.1	Consent of Plante & Moran, PLLC

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Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the registration statement (Nos. 333-29843, 333-70245, 333-69252, and 333-139351) on Form S-8 of our report dated June 25, 2008 appearing in the annual report on Form 11-K of SPX Corporation Retirement Savings and Stock Ownership Plan as of December 31, 2007 and 2006 and for the year ended December 31, 2007.

/s/ Plante & Moran, PLLC  
Southfield, Michigan  
June 25, 2008

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