

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 8-K

Current Report

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of report (Date of earliest event reported): **May 12, 2006**

SPX CORPORATION

(Exact Name of Registrant as specified in Charter)

DELAWARE

(State or Other Jurisdiction of
Incorporation)

1-6948

(Commission File Number)

38-1016240

(I.R.S. Employer
Identification No.)

**13515 Ballantyne Corporate Place
Charlotte, North Carolina 28277**

(Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code **(704) 752-4400**

NOT APPLICABLE

(Former Name or Former Address if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01. Other Events.

A copy of the SPX Corporation press release announcing the adoption of a written trading plan under Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, is filed as Exhibit 99.1 to this report.

Item 9.01. Financial Statements and Exhibits.

Exhibits

**Exhibit
Number**

Description

99.1 Press Release issued by SPX Corporation on May 12, 2006

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SPX CORPORATION

Date: May 12, 2006

By: /s/ Kevin L. Lilly

EXHIBIT INDEX

**Exhibit
Number**

Description

99.1 Press Release issued by SPX Corporation on May 12, 2006

Contact: Jeremy W. Smeltser (Investors)
704-752-4478
E-mail: investor@spx.com

Tina L. Betlejewski (Media)
704-752-4454
E-mail: spx@spx.com

SPX ANNOUNCES 10B5-1 PLAN

CHARLOTTE, NC — May 12, 2006 — SPX Corporation (NYSE:SPW) today announced that it has adopted a written trading plan under Rule 10b5-1 of the Securities Exchange Act of 1934, as amended, to facilitate the repurchase of its common stock in accordance with the share repurchase program authorized by its Board of Directors as announced on December 21, 2005. The plan becomes effective today.

This plan is expected to facilitate the purchase of an additional 2.5 million shares of SPX common stock by the end of 2006. To date in 2006, SPX has repurchased approximately 4.6 million shares of its common stock for \$226.6 million.

SPX Corporation is a leading global provider of flow technology, test and measurement solutions, thermal equipment and services and industrial products and services. For more information visit the company's web site at www.spx.com.

Certain statements in this press release may be forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, and are subject to the safe harbor created thereby. Please refer to our public filings for a discussion of certain important factors that relate to forward-looking statements contained in this press release. The words "believe," "expect," "anticipate," "estimate," "guidance," "target" and similar expressions identify forward-looking statements. Although the company believes that the expectations reflected in its forward-looking statements are reasonable, it can give no assurance that such expectations will prove to be correct.

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