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): March 26, 2010

DONALDSON COMPANY, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation)

1-7891 (Commission file number)

41-0222640 (I.R.S. Employer Identification No.)

1400 West 94th Street Minneapolis, MN 55431

(Address of principal executive offices) (Zip Code)

(952) 887-3131

Registrant s telephone number, including area code

Not Applicable

(Former name or former address, if changed since last report)

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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 (<i>see</i> General Instruction A.2. below):
o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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Item 8.01. Other Events and Regulation FD Disclosure.

On March 26, 2010, Donaldson Company, Inc. (the Company) announced that the Company s Board of Directors authorized the repurchase of up to 8.0 million common shares. The new repurchase authorization replaces the existing authority that was approved in March 2006.

A copy of the press release that discusses these matters is filed as Exhibit 99.1 to, and incorporated by reference in, this report.

Item 9.01. Financial Statements and Exhibits.

- (c) Exhibits.
 - 99.1 Press Release, dated March 26, 2010, issued by Donaldson Company, Inc.

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.

Date: March 26, 2010

DONALDSON COMPANY, INC.

By: /s/ Norman C. Linnell

Name: Norman C. Linnell

Title: Vice President, General Counsel and

Secretary

SIGNATURE 4

EXHIBIT INDEX

99.1 Press Release, dated March 26, 2010, issued by Donaldson Company, Inc.

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