CF Industries Holdings, Inc. Form 8-K December 04, 2007

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): December 4, 2007

CF Industries Holdings, Inc.

(Exact name of Registrant as specified in its charter)

Delaware (State or other jurisdiction

001-32597 (Commission File No.) 20-2697511 (I.R.S. Employer Identification Number)

4 Parkway North, Suite 400 Deerfield, IL (Address of principal executive offices)

of incorporation)

60015 (Zip Code)

Registrant s telephone number, including area code: (847) 405-2400

(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 (see 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))

Item 7.01 Regulation FD Disclosure.

On December 4, 2007, members of CF Industries Holdings, Inc. s management will participate in the Citi Basic Materials Symposium, at which the presentation attached hereto as Exhibit 99.1 will be used.

The information set forth above under Item 7.01 Regulation FD Disclosure, including the exhibits attached hereto, shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, except as shall be expressly set forth by specific reference in any such filing.

Item 9.01 Financial Statements and Exhibits.

(d)Exhibits.

Exhibit No. Description of Exhibit

99.1 CF Industries Holdings, Inc. Presentation

SIGNATURES

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: December 4, 2007 CF INDUSTRIES HOLDINGS, INC.

By: /s/Douglas C. Barnard Name: Douglas C. Barnard

Title: Vice President, General Counsel, and

Secretary

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EXHIBIT INDEX

Exhibit No.

DescriptionCF Industries Holdings, Inc. Presentation 99.1

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