

CF Industries Holdings, Inc.

Form 4

August 14, 2007

**FORM 4****UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

Check this box  
if no longer  
subject to  
Section 16.  
Form 4 or  
Form 5  
obligations  
may continue.  
See Instruction  
1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF  
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

## OMB APPROVAL

OMB  
Number: 3235-0287  
Expires: January 31,  
2005  
Estimated average  
burden hours per  
response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Wilson Stephen R

(Last) (First) (Middle)

C/O CF INDUSTRIES HOLDINGS,  
INC., 4 PARKWAY NORTH,  
SUITE 400

(Street)

DEERFIELD, IL 60015

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading  
Symbol

CF Industries Holdings, Inc. [CF]

3. Date of Earliest Transaction  
(Month/Day/Year)

08/10/2007

4. If Amendment, Date Original  
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

☐ Director ☐ 10% Owner  
☒ Officer (give title below) ☐ Other (specify  
below)

Chairman, President, CEO

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
☒ Form filed by One Reporting Person  
☐ Form filed by More than One Reporting  
Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of<br>Security<br>(Instr. 3)             | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3.<br>Transaction<br>Code<br>(Instr. 8) | 4. Securities Acquired<br>(A) or Disposed of<br>(D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|
|                                                   |                                         |                                                             | Code                                    | V                                                                          | Amount                                                                                                             | (A)<br>or<br>(D)                                                     | Price                                                             |
| Common<br>stock, par<br>value \$0.01<br>per share | 08/10/2007                              |                                                             | A                                       |                                                                            | 15,200                                                                                                             | A                                                                    | \$ 0 110,400                                                      |
|                                                   |                                         |                                                             |                                         |                                                                            |                                                                                                                    | D                                                                    |                                                                   |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**Persons who respond to the collection of  
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SEC 1474  
(9-02)

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|
|                                            |                                                        |                                      |                                                    | Code                           | V (A) (D)                                                                               | Date Exercisable Expiration Date                         | Title Amount or Number of Shares                              |
| Employee Stock Option (right to buy)       | \$ 51.95                                               | 08/10/2007                           |                                                    | A                              | 54,300                                                                                  | <u>(1)</u> 08/10/2017                                    | Common stock, par value \$0.01 per share 54,300               |

## Reporting Owners

| Reporting Owner Name / Address                                                                            | Relationships                    |
|-----------------------------------------------------------------------------------------------------------|----------------------------------|
|                                                                                                           | Director 10% Owner Officer Other |
| Wilson Stephen R<br>C/O CF INDUSTRIES HOLDINGS, INC.<br>4 PARKWAY NORTH, SUITE 400<br>DEERFIELD, IL 60015 | X Chairman, President, CEO       |

## Signatures

/s/ Douglas C. Barnard, by power of attorney  
08/14/2007  
\*\*Signature of Reporting Person Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) The options vest in three equal installments on August 10, 2008, 2009, and 2010.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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