CF Industries Holdings, Inc.

Form 3

August 06, 2007

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

OMB APPROVAL

OMB Number:

3235-0104

Expires:

January 31, 2005

0.5

Estimated average burden hours per

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting

Person *

400

Jablow Spertus Wendy S

C/O CF INDUSTRIES

HOLDINGS, INC., 4

PARKWAY NORTH, SUITE

(Street)

(Last)

(First)

(Middle)

Statement

(Month/Day/Year)

08/01/2007

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

CF Industries Holdings, Inc. [CF]

4. Relationship of Reporting

Filed(Month/Day/Year)

Person(s) to Issuer

(Check all applicable)

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

VP, Human Resources

6. Individual or Joint/Group

Filing(Check Applicable Line) _X_ Form filed by One Reporting

5. If Amendment, Date Original

Person

Form filed by More than One

Reporting Person

DEERFIELD, ÂILÂ 60015

(City) (State)

1. Title of Security (Instr. 4)

(Zip)

2. Amount of Securities Beneficially Owned

(Instr. 4)

Ownership

Table I - Non-Derivative Securities Beneficially Owned

4. Nature of Indirect Beneficial

Ownership (Instr. 5)

Form: Direct (D) or Indirect (Instr. 5)

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

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

(Instr. 4)

1. Title of Derivative Security

2. Date Exercisable and **Expiration Date** (Month/Day/Year)

3. Title and Amount of Securities Underlying **Derivative Security**

4. 5. Ownership Conversion or Exercise Form of Price of

6. Nature of Indirect Beneficial Ownership (Instr. 5)

Derivative

Edgar Filing: CF Industries Holdings, Inc. - Form 3

Date Expiration Title Amount or Security Direct (D)

Exercisable Date Number of Shares (I)

(Instr. 5)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Jablow Spertus Wendy S C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, ILÂ 60015

 \hat{A} \hat{A} \hat{A} VP, Human Resources \hat{A}

Signatures

/s/ Anthony J. Nocchiero, by power of attorney 08/06/2007

**Signature of Reporting Person Date

Explanation of Responses:

No securities are beneficially owned

- * If the form is filed by more than one reporting person, see Instruction 5(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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2