Jablow Spertus Wendy S Form 4 March 03, 2011

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

(Print or Type Responses)

(Last)

(City)

1. Name and Address of Reporting Person * Jablow Spertus Wendy S

2. Issuer Name and Ticker or Trading Symbol

(Middle)

CF Industries Holdings, Inc. [CF]

(Month/Day/Year)

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

(Street)

(State)

(First)

3. Date of Earliest Transaction

03/01/2011

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

(Check all applicable)

VP, Human Resources

Applicable Line)

Director

X_ Officer (give title

X Form filed by One Reporting Person Form filed by More than One Reporting

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

Issuer

below)

DEERFIELD, IL 60015

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Month/Day/Year)

(Zip)

3. Code (Instr. 8)

TransactionAcquired (A) or Disposed of (D)

Code V Amount (D) Price

4. Securities (Instr. 3, 4 and 5)

(A)

or

5. Amount of Securities Beneficially Owned Following Reported

Transaction(s)

(Instr. 3 and 4)

6. Ownership Form: Direct (D) or Indirect Beneficial (I) (Instr. 4)

7. Nature of Indirect Ownership (Instr. 4)

10% Owner

Other (specify

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

3. Transaction Date 3A. Deemed 1. Title of (Month/Day/Year) Execution Date, if Transaction of Conversion

5. Number 6. Date Exercisable and **Expiration Date**

7. Title and Amount of 8. Price Underlying Securities Derivat

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(Month/Day/Year)		(Instr. 3 and 4)		Security (Instr. 5
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock	Œ	03/01/2011		A	0.17		<u>(1)</u>	<u>(1)</u>	Common stock, par value \$0.01 per share	0.17	\$ 136.

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Jablow Spertus Wendy S							
C/O CF INDUSTRIES HOLDINGS, INC.			VP, Human				
4 PARKWAY NORTH, SUITE 400			Resources				
DEERFIELD, IL 60015							

Signatures

/s/ Douglas C. Barnard, by power of attorney

**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).

Each share of phantom stock is the economic equivalent of one share of CF Industries Holdings, Inc. common stock. Shares of phantom (1) stock are payable in cash following the reporting person's termination of employment with CF Industries Holdings, Inc. and may be transferred by the reporting person into an alternative investment account in accordance with the terms of the plan.

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.

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