HARVEY DAVID R

Form 4

February 22, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Form 5 obligations may continue.

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 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * HARVEY DAVID R

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

CF Industries Holdings, Inc. [CF]

(Middle)

(Zin)

3. Date of Earliest Transaction

_X__ Director

Officer (give title

10% Owner _ Other (specify

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

(Street)

(State)

(First)

SUITE 400

(City)

(Last)

4. If Amendment, Date Original

Filed(Month/Day/Year)

(Month/Day/Year)

02/21/2012

6. Individual or Joint/Group Filing(Check

(Check all applicable)

Applicable Line)

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

Person

DEERFIELD, IL 60015

	(City)	(State)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security		2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securiton(A) or Di			5. Amount of Securities	6. Ownership	7. Nature of Indirect	
	(Instr. 3)		any	Code	(Instr. 3, 4 and 5)			Beneficially	Form: Direct	Beneficial	
			(Month/Day/Year)	(Instr. 8) Code V	(A) or		Price	Owned Following Reported Transaction(s) (Instr. 3 and 4)	(D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
	Common Stock, par value \$0.01 per share	02/21/2012		S	3,000	D	\$ 186.02	3,706	D		

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

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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. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,	.	ate	Amou Under Securi	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

HARVEY DAVID R C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015

X

Signatures

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

02/22/2012

**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).

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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