CF Industries Holdings, Inc.

Form 4 May 07, 2007

FORM 4

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

OMB 3235-0287 Number:

OMB APPROVAL

Check this box if no longer subject to Section 16.

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

January 31, Expires: 2005 Estimated average

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Form 4 or Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Webb Robert D			2. Issuer Name and Ticker or Trading Symbol CF Industries Holdings, Inc. [CF]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(Last) (First) (Middle) 3. Date		3. Date of Earliest Transaction	(Check all applicable)			
C/O CF INDUSTRIES HOLDINGS, INC., 4 PARKWAY NORTH, SUITE 400		· · · · · · · · · · · · · · · · · · ·	(Month/Day/Year) 05/03/2007	Director 10% OwnerX Officer (give title Other (specify below) VP & Corporate Controller			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			

Applicable Line)

Filed(Month/Day/Year)

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

DEERFIELD, IL 60015

(City)	(State)	(Zip) Tab	ole I - Non-	Derivative S	Secui	rities Acquir	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)		d of ((D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common stock, par value \$0.01 per share	05/03/2007		M	25,000	A	\$ 16	31,400	D	
Common stock, par value \$0.01 per share	05/03/2007		S	25,000	D	\$ 41.0043	6,400	D	
	05/04/2007		M	10,900	A	\$ 16	17,300	D	

Common stock, par value \$0.01 per share							
Common stock, par value \$0.01 per share	05/04/2007	S	10,900	D	\$ 41.0181	6,400	D
Common stock, par value \$0.01 per share	05/07/2007	M	10,000	A	\$ 16	16,400	D
Common stock, par value \$0.01 per share	05/07/2007	S	10,000	D	\$ 41.0678	6,400	D

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

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SEC 1474

(9-02)

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. Number of actionDerivative Securities 8. 8) 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)	\$ 16	05/03/2007		M		25,000	<u>(1)</u>	08/10/2015	Common stock, par value \$0.01 per share	25,000
Employee Stock	\$ 16	05/04/2007		M		10,900	<u>(1)</u>	08/10/2015	Common stock, par	10,900

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Option (right to buy)							value \$0.01 per share	
Employee Stock Option (right to buy)	\$ 16	05/07/2007	М	10,000	<u>(1)</u>	08/10/2015	Common stock, par value \$0.01 per share	10,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Webb Robert D C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015

VP & Corporate Controller

Signatures

/s/ Douglas C. Barnard, by power of attorney 05/07/2007

**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) Award is currently fully exercisable.

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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