CF Industries Holdings, Inc.

Form 4

May 16, 2006

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

Check this box if no longer subject to Section 16. Form 4 or

### 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

may continue. See Instruction

1(b).

Form 5

obligations

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

**OMB APPROVAL** 

3235-0287

January 31,

2005

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**OMB** 

Number:

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(Last) (First) (Middle) CF Industries Holdings, Inc. [CF]

(Check all applicable)

C/O CF INDUSTRIES HOLDINGS.

(Street)

3. Date of Earliest Transaction

(Month/Day/Year) 05/12/2006

\_X\_ Director 10% Owner \_X\_\_ Officer (give title \_ Other (specify below) below) Chairman, President, CEO

INC., ONE SALEM LAKE DRIVE

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting Person

LONG GROVE, IL 60047

(City)	(State) (	Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common stock, par value \$0.01 per share	05/12/2006		P	100	A	\$ 16.99	35,200	D	
Common stock, par value \$0.01 per share	05/12/2006		P	9,200	A	\$ 16.89	44,400	D	
Common stock, par value \$0.01 per share	05/12/2006		P	700	A	\$ 16.79	45,100	D	

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

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SEC 1474 (9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transact	ionNumber	Expiration D	ate	Amoun	nt of	Derivative	
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	
	Derivative				Securities			(Instr. 3	3 and 4)		
	Security				Acquired						
					(A) or						
					Disposed						
					of (D)						
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date	Expiration		or Name le con		
						Exercisable	Date		Number		
				C-1- 1	7. (A) (D)				of		
				Code V	I (A) (D)				Shares		

# **Reporting Owners**

	Relationships
Reporting Owner Name / Address	-

Director 10% Owner Officer Other

Wilson Stephen R C/O CF INDUSTRIES HOLDINGS, INC. ONE SALEM LAKE DRIVE LONG GROVE, IL 60047

X

Chairman, President, CEO

# **Signatures**

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

05/16/2006

\*\*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.

Reporting Owners 2