Menzel Susan L Form 4 October 10, 2017

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

obligations

may continue.

Form 5

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

OMB APPROVAL

OMB Number:

3235-0287

Expires:

January 31, 2005

Estimated average burden hours per

response...

0.5

See Instruction 1(b).

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)

1. Name and Address of Reporting Person * Menzel Susan L

2. Issuer Name and Ticker or Trading Symbol

CF Industries Holdings, Inc. [CF]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(Middle)

(Zip)

3. Date of Earliest Transaction

(Check all applicable)

C/O CF INDUSTRIES HOLDINGS.

(First)

INC.. 4 PARKWAY NORTH.

10/09/2017

(Month/Day/Year)

Director 10% Owner X_ Officer (give title Other (specify

below)

Sr. VP, Human Resources

SUITE 400

(Street)

(State)

10/09/2017

(City)

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

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

DEERFIELD, IL 60015

1.Title of Security	2. Transaction Date (Month/Day/Year)	
(Instr. 3)	(Monas Bay, Tear)	any (Month/Day/Year)

4. Securities Acquired 5. Amount of Transaction(A) or Disposed of Code (D) (Instr. 3, 4 and 5) (Instr. 8)

Securities Beneficially Owned Following Reported Transaction(s)

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Ownership Indirect (I) (Instr. 4) (Instr. 4)

or Amount (D) (Instr. 3 and 4)

Price Code V

Common

stock, par value \$0.01

per share

11,610 A \$0 D Α 11,610

(A)

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	2.	3. Transaction Date		4.	5.	6. Date Exer		7. Title		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secur
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration		or		
						Exercisable	Date	Title	Number		
						Excicisable	Date		of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
Reporting Owner Name / Naturess	Director	10% Owner	Officer	Other		
Menzel Susan L C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015			Sr. VP, Human Resources			

Signatures

/s/ Douglas C. Barnard, by power of attorney 10/10/2017

**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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