CF Industries Holdings, Inc.

Form 4

December 09, 2013

| Check t if no lor subject Section Form 4 Form 5 obligation may con See Inst 1(b). | his box nger to 16. or Filed purs Section 17(a | ETATES SECU Wa ENT OF CHAI uant to Section) of the Public U 30(h) of the I | ASHINGTON NGES IN SECU 16(a) of t Utility Ho | n, D.C. 2 N BENE RITIES the Secur lding Co | FICI rities | AL OWN Exchange ny Act of | Act of 1934, 1935 or Section | OMB Number: Expires: Estimated a burden hour response | |
|---|---|--|---|--|--|-----------------------------|--|--|---|
| Hoker Rich (Last) C/O CF IN | Address of Reporting P nard A (First) (M (DUSTRIES HOLD RKWAY NORTH | Symbol CF Inc. (iddle) 3. Date (Month/DINGS, 12/05/2 | er Name and dustries Hof Earliest (Day/Year) 2013 | oldings, | Inc. | [CF] | DirectorX_ Officer (give to below) | all applicable | Owner r (specify |
| | (Street) | Filed(M | nendment, I onth/Day/Ye | ar) | | | 6. Individual or Joi Applicable Line) _X_ Form filed by Or Form filed by Mo Person | ne Reporting Per ore than One Rep | son porting |
| 1.Title of Security (Instr. 3) | 2. Transaction Date 2 (Month/Day/Year) I | 141 | 3. Transaction Code (Instr. 8) | 4. Securi | ities A osed of 4 and (A) or | cquired (A) | 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 | 12/05/2013 | | M | 1,667 | A | \$ 81.3 | 10,219 | D | |
| Common stock, par value \$0.01 per share | 12/05/2013 | | S | 1,667 | D | \$ 235.7609 (1) | 9 8,552 | 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)

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. 5. Number Transaction Derivative Code Securities (Instr. 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) | \$ 81.3 | 12/05/2013 | | M | 1,667 | <u>(2)</u> | 08/10/2020 | Common stock, par value \$0.01 per share | 1,667 |

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Hoker Richard A C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015

VP and Corporate Controller

Signatures

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

12/09/2013

**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).

The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$235.7310 to \$235.7660, inclusive. The reporting person undertakes to provide to CF Industries Holdings, Inc., any security holder of CF Industries Holdings, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote (1) to this Form 4.

Reporting Owners 2

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(2) The options vested in three equal installments on August 10, 2011, 2012, and 2013.

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.