port on a separate lin y or indirectly.	ne for each class of securitie	s beneficially SE	EC 1473 (7-02)		
informatio required to	who respond to the collegen n contained in this form o respond unless the for valid OMB control numb	are not rm displays a			
Table II - Derivati	ve Securities Beneficially C	Owned (e.g., puts, calls,	warrants, option	s, convertible	securities)
rivative Security	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)

Nocchiero Anthony J Form 3 May 01, 2007 UNITED STATES SECURITIES AND EXCHANGE COMMISSION FORM 3

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Washington, D.C. 20549

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 <u>*</u> Nocchiero Anthony J		2. Date of Event RequiringStatement(Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol CF Industries Holdings, Inc. [CF]		
(Last)	(First)	(Middle)	04/27/2007	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)

C/O CF INDUSTRIES HOLDINGS, INC.,Â4 PARKWAY NORTH, SUITE 400

(Street)

DEERFIELD, ILÂ 60015

1. Title of Derivative Security

(Instr. 4)

(City)	(State)	(Zip)	Table I - Non-Derivative Securities Beneficially Owned				
1.Title of Sec (Instr. 4)	urity		2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Benefic Ownership (Instr. 5)		
	port on a sepa		ass of securities beneficially	SEC 1473 (7-02	2)		

owned directly or indirectly.

Persons who respond to information contained in required to respond unle currently valid OMB cont

(Check all applicable)

(give title below) (specify below)

Senior V.P. & CFO

Director

__X__Officer

10% Owner

_ Other

OMB APPROVAL

OMB 3235-0104 Number: January 31, Expires: 2005 Estimated average burden hours per response... 0.5

6. Individual or Joint/Group

Filing(Check Applicable Line) _X_ Form filed by One Reporting

Form filed by More than One

Person

Reporting Person

4. Nature of Indirect Beneficial

Edgar Filing: Nocchiero Anthony J - Form 3

Date Exercisable	Expiration Date	Title	Amount or Number of	Security	Direct (D) or Indirect
			Shares		(I)
					(Instr. 5)

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Nocchiero Anthony J C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015	Â	Â	Senior V.P. & CFO	Â		
Signatures						
/s/ Douglas C. Barnard, by power of attorney	05/	01/2007				
<pre>**Signature of Reporting Person</pre>		Date				
Explanation of Responses:						

No securities are beneficially owned

* If the form is filed by more than one reporting person, *see* Instruction 5(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.