CME GROUP INC.

Form 4

September 05, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number:

Expires:

January 31, 2005

0.5

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

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).

Common

09/04/2007

Stock

Class A

(Print or Type Responses)

	Address of Reporting S	Symbol	er Name and Ticker or Trading GROUP INC. [CME]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First) (N	,	of Earliest Transaction Day/Year)	Director 10% Owner		
20 S. WACKER DRIVE		09/04/2		Officer (give title Other (specify below) below) MD & President Clearing House		
	(Street)	4. If Am	endment, Date Original	6. Individual or Joint/Group Filing(Check		
CHICAGO (City)		(7:-)	onth/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip) Tal	ole I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price	5. Amount of Securities Ownership Indirect Beneficially Form: Direct Beneficial Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) Transaction(s) (Instr. 3 and 4)		
Common Stock Class A	09/04/2007		M 2,000 A \$22	8,617 D		

2,000

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

S

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

6,617

562.24

D

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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 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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Ame Underlying Secu (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Ai or Ni of Sh
Non-Qualified Stock Option (right to buy)	\$ 22	09/04/2007		M	2,000	05/07/2005(2)	05/07/2011	Common Stock Class A	2

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

TAYLOR KIMBERLY S 20 S. WACKER DRIVE CHICAGO, IL 60606

MD & President Clearing House

Signatures

By: Margaret C. Austin For: Kimberly S.

Taylor 09/05/2007

**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) This sale was completed pursuant to the terms of a pre-arranged trading plan established in accordance with Rule 10b5-1.
- (2) As of May 7, 2005 this option grant was 100% vested.

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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