CME GROUP INC.

Form 3

August 16, 2007

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

OMB APPROVAL

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SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

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 *

A Piell Hilda Harris

(Last)

(First)

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

Statement

(Month/Day/Year)

08/08/2007

CME GROUP INC. [CME]

4. Relationship of Reporting Person(s) to Issuer

Director

_X__ Officer

5. If Amendment, Date Original

Filed(Month/Day/Year)

20 S. WACKER DRIVE

(Street)

(Check all applicable)

6. Individual or Joint/Group

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

Person

(give title below) (specify below) Form filed by More than One MD, Organizational Development

Reporting Person

CHICAGO, Â ILÂ 60606

(City) (State)

1. Title of Security

(Instr. 4)

(Zip)

(Middle)

2. Amount of Securities

Beneficially Owned (Instr. 4)

Ownership Form:

4. Nature of Indirect Beneficial

10% Owner

Other

Ownership (Instr. 5)

Direct (D) or Indirect (I)

Table I - Non-Derivative Securities Beneficially Owned

(Instr. 5)

Reminder: Report on a separate line for each class of securities beneficially

owned directly or indirectly.

SEC 1473 (7-02)

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

(Instr. 4)

1. Title of Derivative Security

(Instr. 4)

2. Date Exercisable and **Expiration Date**

(Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security

4. Conversion or Exercise

Price of

Derivative

Security

5. Ownership Form of Derivative

6. Nature of Indirect Beneficial Ownership (Instr. 5)

Expiration Date Exercisable Date

Amount or Title Number of Shares

or Indirect (I)

(Instr. 5)

Security:

Direct (D)

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Incentive Stock Option (right to buy)	06/14/2007	06/14/2014	Common Stock Class A	715 (1)	\$ 127	D	Â
Non-Qualified Stock Option (right to buy)	07/20/2005	07/20/2011	Common Stock Class A	300 (2)	\$ 22	D	Â
Non-Qualified Stock Option (right to buy)	06/06/2007	06/06/2013	Common Stock Class A	1,380 (3)	\$ 63.01	D	Â
Non-Qualified Stock Option (right to buy)	06/15/2007	06/15/2015	Common Stock Class A	420 (4)	\$ 251.95	D	Â
Non-Qualified Stock Option (right to buy)	06/15/2007	06/15/2016	Common Stock Class A	320 (5)	\$ 440.65	D	Â
Non-Qualified Stock Option (right to buy)	03/15/2008	03/15/2017	Common Stock Class A	75 <u>(6)</u>	\$ 532.88	D	Â
Non-Qualified Stock Option (right to buy)	06/15/2008	06/15/2017	Common Stock Class A	655 (7)	\$ 552.7	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Piell Hilda Harris 20 S. WACKER DRIVE CHICAGO, IL 60606	Â	Â	MD, Organizational Development	Â		

Signatures

By: Margaret C. Austin For: Hilda L. Piell 08/16/2007

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- On June 14, 2007, this option vested with respect to 60% of the granted number of shares covered by the option. On the anniversary of (1) that date in each of the two subsequent years, the option will vest with respect to an additional 20% of the shares covered by the option, subject to acceleration or termination in certain circumstances.
- (2) As of June 20, 2005, these options were 100% vested.
- On June 6, 2007, this option vested with respect to 80% of the granted number of shares covered by the option. On the anniversary of that (3) date in the subsequent year, the option will vest with respect to an additional 20% of the shares covered by the option, subject to acceleration or termination in certain circumstances.

Reporting Owners 2

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- On June 15, 2007, this option vested with respect to 40% of the granted number of shares covered by the option. On the anniversary of (4) that date in each of the two subsequent years, the option will vest with respect to an additional 20% of the shares covered by the option, subject to acceleration or termination in certain circumstances.
- On June 15, 2007, this option vested with respect to 20% of the granted number of shares covered by the option. On the anniversary of (5) that date in each of the four subsequent years, the option will vest with respect to an additional 20% of the shares covered by the option, subject to acceleration or termination in certain circumstances.
- (6) These options were granted on March15, 2007. They vest over a five-year period, with 20% vesting one year after the grant date and 20% vesting on that same date in each of the following four years, subject to acceleration or termination in certain circumstances.
- (7) These options were granted on June 15, 2007. They vest over a five-year period, with 20% vesting one year after the grant date and 20% vesting on that same date in each of the following four years, subject to acceleration or termination in certain circumstances.

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.