CME GROUP INC.

Form 3

August 16, 2007

FORM 3

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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB Number:

3235-0104

Expires:

January 31, 2005

0.5

Estimated average burden hours per

SECURITIES

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

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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement CME GROUP INC. [CME] A Piell Hilda Harris (Month/Day/Year) 08/08/2007 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 20 S. WACKER DRIVE (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner Director _X_ Form filed by One Reporting _X__ Officer Other Person CHICAGO, ÂILÂ 60606 (give title below) (specify below) Form filed by More than One MD, Organizational Development Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1.Title of Security (Instr. 4)

(State)

(City)

2. Amount of Securities Beneficially Owned (Instr. 4)

Ownership Form: Direct (D) or Indirect (I)

(Instr. 5)

4. Nature of Indirect Beneficial Ownership

(Instr. 5)

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

(Zip)

SEC 1473 (7-02)

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

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	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership
	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	(Instr. 5)

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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 <u>(7)</u>	\$ 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.