

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934  
or Section 30(h) of the Investment Company Act of 1940

<b>1. Name and Address of Reporting Person*</b> <u>Pieper James V.</u>  (Last) (First) (Middle) 20 S. WACKER DRIVE  (Street) CHICAGO IL 60606  (City) (State) (Zip)	<b>2. Date of Event Requiring Statement (Month/Day/Year)</b> 02/19/2010	<b>3. Issuer Name and Ticker or Trading Symbol</b> <u>CME GROUP INC. [ CME ]</u>  <b>4. Relationship of Reporting Person(s) to Issuer (Check all applicable)</b> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>MD &amp; Chief Accounting Officer</u>	<b>5. If Amendment, Date of Original Filed (Month/Day/Year)</b>  <b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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### Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock Class A	440	D	

### 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 (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Non-Qualified Stock Option (right to buy)	06/14/2009 <sup>(1)</sup>	06/14/2014	Common Stock Class A	20	127	D	
Non-Qualified Stock Option (right to buy)	06/15/2009 <sup>(2)</sup>	06/15/2015	Common Stock Class A	175	251.95	D	
Non-Qualified Stock Option (right to buy)	09/15/2010 <sup>(3)</sup>	09/15/2019	Common Stock Class A	372	284.34	D	
Non-Qualified Stock Option (right to buy)	06/16/2009 <sup>(4)</sup>	06/16/2018	Common Stock Class A	465	419.41	D	
Non-Qualified Stock Option (right to buy)	06/15/2009 <sup>(5)</sup>	06/15/2016	Common Stock Class A	410	440.65	D	
Non-Qualified Stock Option (right to buy)	06/15/2009 <sup>(6)</sup>	06/15/2017	Common Stock Class A	410	552.7	D	

**Explanation of Responses:**

1. On June 14, 2009, this option vested with respect to 100% of the granted number of shares covered by the option.
2. On June 15, 2009, this option vested with respect to 80% of the granted number of shares covered by the option. On the anniversary of that date in the following 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.
3. These options were granted on September 15, 2009. They vest over a four-year period, with 25% vesting one year after the grant date and 25% vesting on that same date in each of the following three years, subject to acceleration or termination in certain circumstances.
4. On June 16, 2009, this option vested with respect to 20% of the granted number of shares covered by the option. On the anniversary of that date in each of the following 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.
5. On June 15, 2009, this option vested with respect to 60% of the granted number of shares covered by the option. On the anniversary of that date in each of the following 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.
6. On June 15, 2009, this option vested with respect to 40% of the granted number of shares covered by the option. On the anniversary of that date in each of the following three 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.

By: Margaret C. Austin For:  
James V. Pieper      02/25/2010

\*\* Signature of Reporting Person      Date

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

\* 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.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.**

POWER OF ATTORNEY

For Executing Forms 3, 4 and 5 Pursuant to Section 16(a)  
of the Securities Exchange Act

Know all by these presents, that the undersigned hereby constitutes and appoints each of Kathleen M. Cronin, Margaret C. Wright and Mary Croft signing singly, his/her true and lawful attorney-in-fact to:

(1) execute for and on behalf of the undersigned Forms 3, 4 and 5 and amendments thereto in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;

(2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete the execution of any such Form 3, 4 and 5 and the timely filing of such form with the United States Securities and Exchange Commission and any other authority; and

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in his/her discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform all and every act and thing whatsoever requisite, necessary and proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as such attorney-in-fact might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or his/her substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, are not assuming any of the undersigneds responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms, 3, 4, and 5 with respect to the undersigneds holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 22nd day of February, 2010.

Signature: James V. Pieper

Print Name: James v. Pieper