Instruction 1(b)

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

Check this box if no longer subject to	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Section 16. Form 4 or Form 5	
obligations may continue. See	

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

1. Name and Address of Reporting Person* <u>Pieper James V.</u>					CME GROUP INC. [CME]											k all applic Directo	able) r		10% Ov	vner
(Last) 20 S. WA	(F ACKER DF	,	(Middle)			Date o		est Trai	nsacti	on (Mo	onth/	Day/Year)			X	below)		X Other below		′ I
(Street) CHICAC		tate)	60606 (Zip)		-							i (Month/Da	, ,		Line) X	Form f Form f Persor	iled by One iled by Mor	e Repo	g (Check Ap orting Perso n One Repo	n
Table I - Non-Deriv 1. Title of Security (Instr. 3) 2. Transa Date (Month/D				action	ction 2A. Deemed Execution Date,			, 3 , T	3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4)					or 5. Amount of Securities Beneficially Owned Followir			Form (D) o	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership	
									c	ode	v	Amount	(A) o	Pric	e	Reporte Transac (Instr. 3	tion(s)			(Instr. 4)
Common	Stock Clas	s A		09/15	5/2010)				Α		396	A		\$0	896 D				
Common	Stock Clas	s A		09/15	5/2010					F		14(1)	D	\$2	71.49	8	82 D			
		٦	Table II -									osed of,				Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Executio	Date,		Transaction Code (Instr.		5. Number of		6. Date Exercisa Expiration Date (Month/Day/Year			7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		E	erivative ecurity 1str. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	e S Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exer	cisable		Expiration Date	Title	Amo or Num of Shar	ber					
Non- Qualified Stock Option	\$271.49	09/15/2010			A		888		09/1	5/2011 ⁰	(2)	09/15/2020	Commor Stock Class A	88	8	\$0	888		D	

Explanation of Responses:

- 1. Mr. Pieper surrendered shares to the Company in order to fulfill tax withholding obligations upon the vesting of restricted stock on September 15, 2010.
- 2. These options were granted on September 15, 2010. 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.

By: Margaret C. Austin For: 09/17/2010 James V. Pieper

** Signature of Reporting Person

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 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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