FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| l | OMB APPRO              | VAL       |  |  |  |  |
|---|------------------------|-----------|--|--|--|--|
|   | OMB Number:            | 3235-0287 |  |  |  |  |
| l | Estimated average burd | en        |  |  |  |  |
| l | hours per response:    | 0.5       |  |  |  |  |

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

|  |  |  |   |         | or s                                    | Section  | n 30(h)    | of the | Investme                       | ent Co       | mpany Act          | of 1940  | )    |  |   |                                      |   |   |                 |  |  |
|--|--|--|---|---------|---|--|------------|--------|--------------------------------|--------------|--------------------|--|------|--|---|--------------------------------------|---|---|-----------------|--|--|
| 1. Name and Address of Reporting Person*  DUFFY TERRENCE A |  |  |   |         |   | 2. Issuer Name and Ticker or Trading Symbol CME GROUP INC. [ CME ] |            |        |                                |              |                    |  |      |  | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) |                                      |   |   |                 |  |  |
| DUFFY TERRENCE A   |  |  |   |         |   |  |            |        |                                |              |                    |  |      |  | X   | Direc                                | tor   | 1   | 0% O            | wner   |  |
| (Last) (First) (Middle)                                    |  |  |   |         |   | Date of Earliest Transaction (Month/Day/Year)                      |            |        |                                |              |                    |  |      |  |   | Office                               | er (give title<br>v)  |   | ther (<br>elow) | specify  |  |
| 20 S. WACKER DRIVE   |  |  |   |         |   |  | 09/15/2015 |        |                                |              |                    |  |      |  |   | Executive Chairman & President       |   |   |                 |  |  |
| (Street)   |  |  |   |         |   | 4. If Amendment, Date of Original Filed (Month/Day/Year)           |            |        |                                |              |                    |  |      |  | 6. Individual or Joint/Group Filing (Check Applicable Line)             |                                      |   |   |                 |  |  |
| CHICAGO IL 60606   |  |  |   |         |   |  |            |        |                                |              |                    |  |      |  |   | X Form filed by One Reporting Person |   |   |                 |  |  |
| (City) (State) (Zip)                                       |  |  |   |         |   |  |            |        |                                |              |                    |  |      |  | Form filed by More than One Reporting<br>Person                         |                                      |   |   | orting          |  |  |
|  | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned   |  |   |         |   |  |            |        |                                |              |                    |  |      |  |   |                                      |   |   |                 |  |  |
| 1. Title of Security (Instr. 3)  2. Transac Date (Month/Da |  |  |   |         |   | Execution  |            |        | Transaction Disp               |              | Disposed           | curities Acquired (A)<br>osed Of (D) (Instr. 3, 4                                  |      |  | 4 and Se<br>Be<br>Ow  |                                      | ount of<br>ties<br>cially<br>d Following  | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) |                 | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4)  |  |
|  |  |  |   |         |   |  | Code       | v      | Amount                         | t (A) or (D) |                    | Price  | _  т | Reported<br>Transaction(s)<br>(Instr. 3 and 4) |   |                                      |   | (111511.4)  |                 |  |  |
| Common Stock Class A 09/15/                                |  |  |   |         |   |  | 2015       |        | A                              |              | 13,124             | 1  | A    | \$0.0  |   | 88,464                               |   | D   |                 |  |  |
| Common Stock Class A 09/16/                                |  |  |   |         |   |  | 2015       |        | F                              | F 1,5        |                    | 50 <sup>(1)</sup> D  |      | \$95   | .37   | 86,904                               |   | D   |                 |  |  |
|  | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |  |   |         |   |  |            |        |                                |              |                    |  |      |  |   |                                      |   |   |                 |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)        | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security  | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deeme<br>Execution<br>if any<br>(Month/Da | n Date, | 4.<br>Transactior<br>Code (Instr.<br>8) |  | n of       |        | 6. Date<br>Expirati<br>(Month/ | on Da        |                    | e and 7. Title and Amount of Securities Underlying Derivative Security (Ins and 4) |      | str. 3   | 8. Pric<br>Deriva<br>Securi<br>(Instr.                                  | urity                                | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s<br>(Instr. 4) | Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | (D)<br>rect     | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|  |  |  |   |         | Code                                    | v  | (A)        | (D)    | Date<br>Exercis                | able         | Expiration<br>Date | Title  | or   | ount<br>nber<br>ıres                           |   |                                      |   |   |                 |  |  |

## **Explanation of Responses:**

1. Mr. Duffy surrendered shares to the Company in order to fulfill tax withholding obligations upon the vesting of restricted stock on 9/16/2015.

By: Margaret Austin Wright For: Terrence A. Duffy

09/17/2015

\*\* 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 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.

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.