

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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><br><u>MAMBU RONALD D</u><br><br>(Last) (First) (Middle)<br><u>1803 GEARS ROAD</u><br><br>(Street)<br><u>HOUSTON TX 77067</u><br><br>(City) (State) (Zip) | <b>2. Issuer Name and Ticker or Trading Symbol</b><br><u>FMC TECHNOLOGIES INC [ FTI ]</u> | <b>5. Relationship of Reporting Person(s) to Issuer</b><br>(Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>VP and Controller</u> |
|  | <b>3. Date of Earliest Transaction (Month/Day/Year)</b><br><u>08/07/2007</u>              |   |
| <b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>  |   |   |

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |         | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|---------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price   |   |  |   |
| Common Stock                    | 08/07/2007                           |  | M                              |   | 9,725   | A          | \$19.39 | 30,924  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 100   | D          | \$90.79 | 30,824  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 100   | D          | \$90.7  | 30,724  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 200   | D          | \$90.63 | 30,524  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 200   | D          | \$90.62 | 30,324  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 200   | D          | \$90.71 | 30,124  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 200   | D          | \$90.64 | 29,924  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 400   | D          | \$90.69 | 29,524  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 500   | D          | \$90.67 | 29,024  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 700   | D          | \$90.68 | 28,324  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 700   | D          | \$90.72 | 27,624  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 1,100   | D          | \$90.82 | 26,524  | D  |   |
| Common Stock                    | 08/07/2007                           |  | S                              |   | 5,325   | D          | \$90.58 | 21,199  | D  |   |
| Common Stock                    |                                      |  |                                |   |   |            |         | 1,160   | I  | By Qualified 401(k) Plan                              |

