

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

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**FORM 8-K**

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**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

**Date of Report (Date of Earliest Event Reported): March 22, 2010**

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**FMC Technologies, Inc.**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction  
of incorporation)

**1-16489**  
(Commission  
File Number)

**36-4412642**  
(I.R.S. Employer  
Identification No.)

**1803 Gears Road**  
**Houston, Texas 77067**  
(Address, Including Zip Code, of Principal Executive Offices)

**Registrant's telephone number, including area code: (281) 591-4000**

**Not Applicable**  
Former name or former address, if changed since last report

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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**Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

On March 22, 2010, FMC Technologies, Inc. announced the appointment of John T. Grempe as President and Chief Operating Officer effective April 1, 2010, as approved by the Board of Directors. Mr. Grempe's responsibilities will include the Business Development, Information Technologies, Industry Relations and Security functions for the Corporation. Prior to this appointment, Mr. Grempe served as Executive Vice President, Energy Systems since 2007, responsible for all of the businesses of the Energy Production and Energy Processing segments. From 2004, Mr. Grempe served as Vice President of Energy Production, an appointment he received after serving as General Manager of Energy Production.

A press release issued by FMC Technologies, Inc. on March 22, 2010, announcing Mr. Grempe's appointment is attached hereto as Exhibit 99.1.

**Item 9.01 Financial Statements and Exhibits**

(d) Exhibit

99.1 Press release issued by FMC Technologies, Inc. dated March 22, 2010.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

FMC Technologies, Inc.

By: /s/ William H. Schumann, III  
William H. Schumann, III  
*Executive Vice President, Chief Financial Officer and  
Treasurer*

Dated: March 23, 2010

**For Release:** Immediate  
**Investors:** Rob Cherry (281) 591-4560  
**Media:** Ellen Bates (281) 445-6559  
Michael King (281) 931-2540

**FMC Technologies Announces Key Executive Appointments**

**HOUSTON, March 22, 2010** — FMC Technologies, Inc. (NYSE:FTI) announced today two key executive appointments, effective April 1, 2010.

FMC's Board of Directors has appointed John T. Grempe President and Chief Operating Officer of FMC Technologies. Mr. Grempe will succeed Peter D. Kinnear as President. Since joining the company in 1975, Mr. Grempe has served in a variety of operations management roles, most recently as Executive Vice President of Energy Systems.

In addition, Robert L. Potter will succeed Mr. Grempe as Executive Vice President of Energy Systems. In this role, Mr. Potter will be responsible for the Energy Processing and Energy Production segment businesses. Previously, Mr. Potter was Senior Vice President of FMC's Energy Processing and Global Surface Wellhead businesses. Mr. Potter has been with the company since 1973.

"John and Bob bring a wealth of experience to their respective roles," said Peter D. Kinnear, Chairman, President and Chief Executive Officer. "Their leadership, management depth and energy industry knowledge will serve us well as we continue to seek opportunities to further grow the company."

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*FMC Technologies, Inc. (NYSE:FTI) is a leading global provider of technology solutions for the energy industry. Named by FORTUNE® Magazine as the World's Most Admired Oil and Gas Equipment, Service Company in 2010, the Company has approximately 10,400 employees and operates 25 production facilities in 15 countries. FMC Technologies designs, manufactures and services technologically sophisticated systems and products such as subsea production and processing systems, surface wellhead systems, high pressure fluid control equipment, measurement solutions, and marine loading systems for the oil and gas industry. For more information visit [www.fmctechnologies.com](http://www.fmctechnologies.com).*