### UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

### FORM 8-K

### CURRENT REPORT

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

Date of Report (Date of Earliest Event Reported):

October 3, 2008

# FMC Technologies, Inc.

(Exact name of registrant as specified in its charter)

Delaware

1-16489 (Commission

File Number)

(State or other jurisdiction of incorporation)

1803 Gears Road, Houston, Texas

(Address of principal executive offices)

Registrant's telephone number, including area code:

Not Applicable

Former name or former address, if changed since last report

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))

36-4412642

(I.R.S. Employer Identification No.)

77067

(Zip Code)

(281) 591-4000

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

On October 3, 2008, the Board of Directors of FMC Technologies, Inc. named Peter D. Kinnear as Chairman of the Board of Directors, effective immediately. Mr. Kinnear, who will continue as President and CEO, succeeds Joseph H. Netherland who served as Chairman from March 2007 until his resignation on October 3, 2008. Mr. Netherland will continue to serve as a non-independent, Class III member of the Board of Directors.

#### 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.

October 8, 2008

FMC Technologies, Inc.

By: /s/ William H. Schumann, III

Name: William H. Schumann, III Title: Executive Vice President and Chief Financial Officer