
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):

January 31, 2007

CORE MOLDING TECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

Delaware

001-12505

31-1481870

(State or other jurisdiction
of incorporation)

(Commission
File Number)

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

800 MANOR PARK DRIVE, P.O.BOX
28183, COLUMBUS, Ohio

43228-0183

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code:

614-870-5000

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))
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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.

Effective as of January 31, 2007, Thomas M. Hough tendered his resignation as a director of Core Molding Technologies, Inc., coinciding with his retirement from employment with Navistar International Corporation, the largest stockholder of Core Molding Technologies, Inc.

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.

CORE MOLDING TECHNOLOGIES, INC.

February 13, 2007

By: *Herman F. Dick, Jr.*

Name: Herman F. Dick, Jr.

*Title: Vice President, Secretary, Treasurer and Chief
Financial Officer*