

OMB APPROVAL

OMB Number: 3235-0145
 Expires: December 31, 2005
 Estimated average burden
 hours per response 11

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1) *

Minerals Technologies, Inc.
 (Name of Issuer)

Common Stock, Par Value \$ 0.10 per share
 (Title of Class of Securities)
 603158106
 (CUSIP Number)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

☒ Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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 CONTROL NUMBER.

CUSIP NO. 603158106

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON.

Manning & Napier Advisors, Inc.
 IRS # 16-0995736

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP * (a) []
(b) []

3 SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

New York

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5 SOLE VOTING POWER

979,237

6 SHARED VOTING POWER

-0-

7 SOLE DISPOSITIVE POWER

68,850

8 SHARED DISPOSITIVE POWER

-0-

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,048,087

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES *

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

5.12%

12 TYPE OF REPORTING PERSON *

Investment Advisor

*SEE INSTRUCTION BEFORE FILLING OUT!

Item 1(a): Name of Issuer:

Minerals Technologies, Inc.

Item 1(b): Address of Issuer's Principal Executive Offices:

The Chrysler Building
405 Lexington Avenue
New York, NY 10174

Item 2(a): Name of Person Filing:

Manning & Napier Advisors, Inc.

Item 2(b): Address of Principal Business Office, or, if none, Residence:

1100 Chase Square

Rochester, New York 14604

Item 2(c): Citizenship:

New York

Item 2(d): Title of Class of Securities:

Common Stock, Par Value \$0.10

Item 2(e): CUSIP Number:

603158106

Item 3: If this statement is filed pursuant to 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(e) ☒ An Investment Adviser in accordance with 240.13d-1(b)(1)(ii)(E);

Item 4: Ownership: Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned: 1,879,872

(b) Percent of Class: Based on the most recent prices provided by Bloomberg, L.P., 499 Park Avenue, New York, New York 10022, listing the outstanding shares of common stock on January 7, 2005 as 20,496,000 it is believed person filing has beneficial ownership of 5.12%.

(c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote: 979,237

(ii) Shared power to vote or to direct the vote: -0-

(iii) Sole power to dispose or to direct the disposition of: 68,850

(iv) Shared power to dispose or to direct the disposition of: -0-

Item 5: Ownership of Five Percent or Less of a Class:

Not applicable

Item 6: Ownership of More than Five Percent on Behalf of Another Person:

Not applicable

Item 7: Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company:

Not applicable

Item 8: Identification and Classification of Members of the Group:

Not applicable

Item 9: Notice of Dissolution of a Group:

Not applicable

Item 10: Certification:

By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purposes or effect.

Signature:

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

02/09/2005
Date

/s/Michelle Thomas
Signature

Michelle Thomas
Michelle Thomas/Corporate

Secretary