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

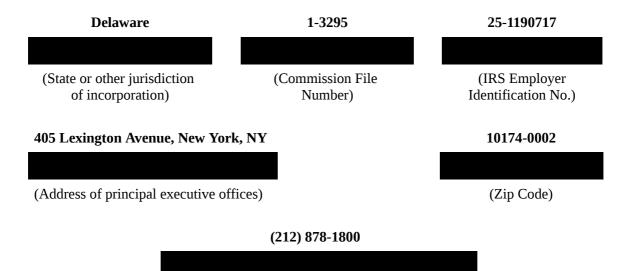
## FORM 8-K

### CURRENT REPORT Pursuant To Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): July 1, 2005

# MINERALS TECHNOLOGIES INC.

(Exact name of registrant as specified in its charter)



(Registrant's telephone number, including area code)

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))

#### Item 1.01 Entry into a Material Definitive Agreement.

On January 28, 2005, Minerals Technologies Inc. (the "Company") filed a current report on Form 8-K disclosing under Item 1.01 the compensation of its directors.

Effective July 1, 2005, the Compensation Committee of the Board of Directors increased the compensation of the Chair of the Audit Committee from units totaling \$12,000 in value each year to units totaling \$15,000 in value each year, payable in equal quarterly installments. Each unit has the economic value of one share of the Company's stock.

An updated summary of the total compensation to be paid to non-employee directors is filed as Exhibit 10.1 and incorporated by reference herein. Employee-directors are not compensated for serving on the Board.

#### Item 9.01 Financial Statements and Exhibits.

- (c) Exhibits
  - 10.1 Summary of Compensation for Non-employee Directors

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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.

#### MINERALS TECHNOLOGIES INC.

(Registrant)

By: /s/ Kirk G. Forrest

Name: Kirk G. Forrest Title: Secretary

Date: July 8, 2005

### Exhibit No. Subject Matter

10.1 Summary of Compensation for Non-employee Directors

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DIRECTORS' FEES			
	Annual Fees & Awarded Units	Payable as Follows*	For Each Meeting
Annual Retainer Fee	\$25,000 + 500 units	\$6,250 quarterly; 500 units awarded on election to the Board and annually on the date of the Annual Stockholders' meeting; retainer fees awarded for the quarter when director is elected to the board	
Retainer Fee for the Compensation & Corporate Governance Committees (non-chair)	Zero cash payments, units totaling \$6,000 in value	\$1,500 in units quarterly	
Retainer Fee for the Audit Committee (non-chair)	Zero cash payments, units totaling \$9,000 in value	\$2,250 in units quarterly	
Retainer Fee for the Compensation & Corporate Governance Committees (chair)	Zero cash payments, units totaling \$9,000 in value	\$2,250 in units quarterly	
Retainer Fee for the Audit Committee (chair)	Zero cash payments, units totaling \$15,000 in value	\$3,750 in units quarterly	
Board of Directors Meeting Fee			\$2,000 paid for each meeting attended
Committee Meeting Fee for the Compensation, Corporate Governance & Audit Committees (non-chair)			\$1,000 paid for each meeting attended
Committee Meeting Fee for the Compensation, Corporate Governance & Audit Committees (chair)			\$1,500 paid for each meeting attended

\*Retainer fees are paid during the months of January, April, July & October