

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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.

SEC 1474
(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
EMPLOYEE STOCK OPTION (RIGHT TO BUY)	\$ 39.53	12/21/2004	12/21/2004	M	2,000	(2) (2)	COMMON STOCK	2,000
EMPLOYEE STOCK OPTION (RIGHT TO BUY)	\$ 39.53	12/21/2004	12/21/2004	M	437	(2) (2)	COMMON STOCK	437

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HARRISON DENNIS R MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE NEW YORK, NY 10174			VICE PRESIDENT	

Signatures

LINDA A. BUGGELN FOR DENNIS R. HARRISON
12/22/2004

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) MR. HARRISON HAS 2382 SHARES OF MINERALS TECHNOLOGIES INC. STOCK UNDER THE COMPANY'S 401(K) PLAN. THE INFORMATION IN THIS REPORT IS BASED ON A PLAN STATEMENT DATED AS OF SEPTEMBER 30, 2004.
- (2) THIS OPTION VESTED IN THREE EQUAL ANNUAL INSTALLMENTS BEGINNING ON JANUARY 28, 2000.
- (3) ONE-FOR-ONE.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.