

<b>OMB APPROVAL</b>	
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>GRAY S GARRETT</u>  (Last) (First) (Middle) <u>MINERALS TECHNOLOGIES INC.</u> <u>405 LEXINGTON AVENUE</u>  (Street) <u>NEW YORK NY 10174</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MINERALS TECHNOLOGIES INC [ MTX ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;"><b>VICE PRESIDENT</b></p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/04/2004</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
COMMON STOCK	05/04/2004		M		28,887	A	\$39.53	37,887	D	
COMMON STOCK	05/04/2004		S		28,887	D	\$59.35	9,000	D	
COMMON STOCK	05/05/2004		M		21,900	A	\$39.53	30,900	D	
COMMON STOCK	05/05/2004		S		21,900	D	\$58.99	9,000	D	
COMMON STOCK	03/31/2004 <sup>(1)</sup>		J <sup>(1)</sup>		0 <sup>(1)</sup>	A	\$0 <sup>(1)</sup>	7,284.24 <sup>(1)</sup>	I	401(K)

**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 Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Amount or Number of Shares
EMPLOYEE STOCK OPTION (RIGHT TO BUY)	\$39.53	05/04/2004	05/04/2004	M			28,887	(2)	(2)	COMMON STOCK	28,887	\$0 <sup>(3)</sup>	43,808	D	
EMPLOYEE STOCK OPTION (RIGHT TO BUY)	\$39.53	05/05/2004	05/05/2004	M			21,900	(2)	(2)	COMMON STOCK	21,900	\$0 <sup>(3)</sup>	21,908	D	

**Explanation of Responses:**

- Based on Minerals Technologies Inc. Savings and Investment Plan statement dated as of March 31, 2004.
- The option vested in three equal installments beginning on January 28, 2000, 2001 and 2002.
- ONE-FOR-ONE

**Remarks:**

VICTORIA LUKAUSKAS  
FOR S. GARRETT GRAY  
 \*\* Signature of Reporting Person      05/06/2004  
 Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.