

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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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>SAUERACKER PAUL R</u> (Last) (First) (Middle) MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE (Street) NEW YORK NY 10174 (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 Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) <u>Retired Chairman and CEO</u>
	3. Date of Earliest Transaction (Month/Day/Year) 05/03/2007	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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	05/03/2007		M		40,000	A	\$39.53	71,674	D	
Common Stock	05/03/2007		S		40,000	D	\$65.86	31,674	D	
Common Stock	05/04/2007		M		1,649	A	\$46.63	33,323	D	
Common Stock	05/04/2007		F		1,159	D	\$66.09	32,164	D	
Common Stock	05/04/2007		M		5,742	A	\$34.83	37,906	D	
Common Stock	05/04/2007		F		3,027	D	\$66.06	34,879	D	
Common Stock								2,656 ⁽¹⁾	I	By 401(k) Plan

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						Title
Employee Stock Option (Right to Buy)	\$39.53	05/03/2007		M			40,000	(2)	01/28/2009	Common Stock	40,000	\$0	189,048	D	
Employee Stock Option (Right to Buy)	\$46.63	05/04/2007		M			1,649	(3)	01/24/2012	Common Stock	1,649	\$0	187,399	D	
Employee Stock Option (Right to Buy)	\$34.83	05/04/2007		M			5,742	(4)	03/16/2011	Common Stock	5,742	\$0	181,657	D	

Explanation of Responses:

- Mr. Saueracker has 2656 shares of Minerals Technologies Inc. stock under the Company's 401(k) Plan. The information contained in this report is based on a plan statement dated as of May 3, 2007.
- The options vested in three equal annual installments beginning on January 28, 2000.
- The options vested in three equal annual installments beginning on January 24, 2003.
- The options vested in three equal annual installments beginning on March 16, 2002.

Remarks:

Laszlo Serester for Paul R. Saueracker

05/07/2007

** Signature of Reporting Person

Date

* 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.

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