FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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 Add	ress of Reporting	ST (I	. Date of Event Requiring Staten Month/Day/Year 18/01/2007	nent	3. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [MTX]							
(Last) (First) (Middle) MINERALS TECHNOLOGIES INC.					Relationship of Reporting Persi (Check all applicable) Director	on(s) to Issue	1)	5. If Amendment, Date of Original Filed (Month/Day/Year)				
405 LEXING	FON AVENUE				X	below)	Other (spe below)	, 10	6. Individual or Joint/Group Filing (Check Applicable Line)			
(Street)				Vice Preside		ent		X Form filed by One Reporting Person				
NEW YORK NY 10174									Form filed by More than One Reporting Person			
(City)	(State)	(Zip)										
Table I - Non-Derivative Securities Beneficially Owned												
1. Title of Security (Instr. 4)						2. Amount of Securities Beneficially Owned (Instr. 4) 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)		cṫ (D) (In	4. Nature of Indirect Beneficial Ownership (Instr. 5)			
COMMON STOCK						0	D					
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)												
Expiration		2. Date Exerc Expiration Da (Month/Day/\			d 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4		4. Conversi or Exerci Price of	se Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)			
			Date Exercisable	Expiration Date	n Title		Amount or Number of Shares	Derivative Security	Direct (D) or Indirect (I) (Instr. 5)			
Employee Stoo	ck Option (Righ	nt to Buy)	(1)	08/01/2017	7	Common Stock	2,100	65.35	D			
Deferred Restr	icted Stock Un	its ("DRSUs")	(2)	(2)		Common Stock	1,050	(3)	D			

Explanation of Responses:

- 1. The options vest in three equal annual installments beginning of August 1, 2008.
- 2. DSRUs vest in three equal annual installments beginning on August 1, 2008. Vested shares will be delivered to the reporting person upon vesting.
- $3. \ Each \ DRSU \ is \ the \ economic \ equivalent \ of \ one \ share \ of \ Minerals \ Technologies \ Inc. \ common \ stock.$

Remarks:

<u>Laszlo Serester for Douglas T.</u> <u>Dietrich</u>

08/07/2007

** Signature of Reporting Person

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 5 (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.

POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints each of Kirk G. Forrest, Linda A. Buggeln, Victoria Lukauskas, and Laszlo Serester, signing singly, the undersigned's true and lawful attorney-in-fact to:

- (1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Minerals Technologies Inc. (the "Company"), Forms 3, 4, and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;
- (2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4, or 5, complete and execute any amendment or amendments thereto, and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and
- (3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

All pre-existing Powers of Attorney granted to the parties named above are hereby revoked. This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.