FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

OMB Number: 3235-0104

Estimated average burden
hours per response: 0.5

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

				() -							
MONAGLE DJ III			2. Date of Event Requiring Stater (Month/Day/Yea 01/02/2008	nent	3. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [MTX]						
(Last) MINERALS 7	(First) (Middle) ERALS TECHNOLOGIES INC.				Relationship of Reporting Perso (Check all applicable) Director	10% Owner Other (specify below)		If Amendment, Date of Original Filed (Month/Day/Year) Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person			
405 LEXING	E			X Officer (give title below) Vice Preside:							
(Street) NEW YORK	Street) NEW YORK NY 10174			vice rreside.							
(City)	(State)	(Zip)									
		•	Table I - Nor	n-Deriva	tive Securities Beneficiall	y Owned					
1. Title of Security (Instr. 4)					2. Amount of Securities Beneficially Owned (Instr. 4)			4. Nature of Indirect Beneficial Ownership (Instr. 5)			
Common Stock					149	149 D					
Common Stock					49(1)	I I		By 40	By 401(k) Plan		
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)											
1. Title of Derivative Security (Instr. 4)			2. Date Exercisable ar Expiration Date (Month/Day/Year)		d 3. Title and Amount of Securi Underlying Derivative Securit		4. Conversion or Exercise		5. Ownership Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)	
			Date Exercisable	Expiratio Date	n Title	Amount or Number of Shares	Price of Derivative Security		Direct (D) or Indirect (I) (Instr. 5)		
Employee Stoo	Imployee Stock Option (Right to Buy)		(2)	02/25/201	4 Common Stock	750	53.89		D		
Employee Stock Option (Right to Buy)		(3)	01/17/201	6 Common Stock	1,000	56.53		D			
Employee Stock Option (Right to Buy)		(4)	04/26/201	6 Common Stock	1,100	59.33		D			
Employee Stock Option (Right to Buy)			(5)	04/25/201	7 Common Stock	1,100	64.61		D		
Deffered Restricted Stock Units ("DRSUs")			(6)	(6)	Common Stock	466	(7)		D		
DRSUs			(8)	(8)	Common Stock	700	(7)	D		

Explanation of Responses:

- 1. Mr. Monagle has 49 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 January 9, 2008.
- 2. Mr. Monagle was granted 3,000 options on February 25, 2004, vesting in four equal annual installments beginning on February 25, 2005. Mr. Monagle exercised his right to buy 2,250 shares.
- 3. Mr. Monagle was granted 1,500 options on January 17, 2006, vesting in three equal annual installments beginning on January 17, 2007. Mr. Monagle exercised his right to buy 500 shares.
- 4. The options vest in three equal annual installments beginning on April 26, 2007.
- 5. The options vest in three equal annual installments beginning on April 25, 2008.
- 6. Mr. Monagle was granted 700 DRSUs on April 26, 2006, vesting in three equal annual installments beginning on April 26, 2007. Vested shares are delivered to the reporting person upon vesting. Accordingly, the first installment was delivered to Mr. Monagle on April 26, 2007.
- $7.\ Each\ DRSU\ is\ the\ economic\ equivalent\ of\ one\ share\ of\ Minerals\ Technologies\ Inc.\ Common\ Stock.$
- 8. DRSUs vest in three equal annual installments beginning on April 25, 2008. Vested shares will be delivered Mr. Monagle upon vesting.

Remarks:

<u>Laszlo Serester for D.J.</u> <u>Monagle III</u>

<u>01/10/2008</u>

** 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.

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