FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPRO	DVAL							
OMB Number:	3235-0287							
Estimated average burden								
hours per response:	0.5							

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*  HARRISON DENNIS R					2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC  MTX						TX (Ch	eck all appli Directo	cable) or (give title	Person(s) to Is  10% C Other below	Owner (specify	
(Last) (First) (Middle)  MINERALS TECHNOLOGIES INC 622 THIRD AVENUE				01	3. Date of Earliest Transaction (Month/Day/Year) 01/26/2011							Senior Vice President				
(Street) NEW YORK NY 10017 (City) (State) (Zip)			_	4. If Amendment, Date of Original Filed (Month/Day/Year)						Line	Individual or Joint/Group Filing (Check Applicable Line)      X Form filed by One Reporting Person     Form filed by More than One Reporting Person					
Table I - Non-Deriva  1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)					ction 2A. Deemed Execution Date,		3. Transacti Code (Ins	4. Secur Dispose 5)	Securities Acquired (A) sposed Of (D) (Instr. 3,		5. Amount of 6. Securities For Beneficially (D		5. Ownership Form: Direct D) or Indirect I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
	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/Yea	Code	Transaction Code (Instr.		nber tive ties red sed	6. Date Exerc Expiration Da (Month/Day/N	ate	Amount of		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
Employee Stock Option (Right to Buy)	\$64.46	01/26/2011		A		7,411		(1)	01/26/2021	Common Stock	7,411	\$0	60,834	D		
Deferred Restricted Stock Units (DRSUs)	(2)	01/26/2011		A		4,496		(3)	(3)	Common Stock	4,496	\$0	23,294	D		

## Explanation of Responses:

- $1. \ The \ options \ vest \ in \ three \ equal \ annual \ installments \ beginning \ on \ January \ 26, \ 2012.$
- $2.\ Each\ DRSU\ is\ the\ economic\ equivalent\ of\ one\ share\ of\ Minerals\ Technologies\ Inc.\ Common\ Stock.$
- 3. DRSUs vest in three equal annual installments beginning on January 26, 2012. Vested shares will be delivered to the reporting person upon vesting.

## Remarks:

Thomas J. Meek for Dennis R. <u>O:</u>

01/28/2011

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.