### FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

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

### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPRO	VAL
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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*  MONAGLE DJ III																	all appl Direct	icable)	g Person(s) to Issue 10% Owne Other (spe		wner
(Last) (First) (Middle) 405 LEXINGTON AVENUE					3. Date of Earliest Transaction (Month/Day/Year) 03/01/2010											below	Senior Vio	ce Pr	below) esident		
(Street) NEW YO	NEW YORK NY 10174					4. 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					
		Tab	le I - Noi	n-Deriv	/ative	e Se	curiti	es A	cqı	uired,	Dis	osed	of, o	r Be	nefici	ally	Owne	d			
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Ye		- 1	2A. Deemed Execution Date, if any (Month/Day/Year)		<i>'</i>	Code (Instr.		Dispose	rities Acquired (A) ed Of (D) (Instr. 3,			4 and Securi Benefi Owned Report		es ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
											v	Amount	t (A) or (D)				Price				tion(s)
Common Stock				03/0	03/01/2010					M		500	)	A	(1	l)	3,298			D	
Common	Stock			03/0	1/2010	0				F		153	3	D	\$4	3,145			D		
Common Stock																	537 <sup>(2)</sup>		I	By 401(k) Plan	
		Т	able II -									sed of onverti					wned				•
Derivative Conversion Date Executive Or Exercise (Month/Day/Year) if any			3A. Deeme Execution if any (Month/Da	Date,		Transaction Code (Instr.				Date Exe piration I onth/Day		7. Title and Amount of Securities Underlying Derivative Securi (Instr. 3 and 4)		l Security	8. Price of Derivative Security (Instr. 5)		9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ownersh Form: y Direct (D) or Indirec (I) (Instr.	Ownership	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Dai	te ercisable		piration ate	Title		Amount or Number of Shares						
Deferred Restricted Stock Units	(1)	03/01/2010			M			500		(3)		(3)	Com Sto		500		(1)	10,923		D	

# **Explanation of Responses:**

- 1. Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.
- 2. Mr. Monagle has 537 shares of Minerals Technologies Inc. Common Stock under the Company's 401(k) Plan. The information contained in this report is based on a Plan Statement dated as of March 1, 2010.
- 3. Mr. Monagle was granted 1,500 DRSUs on February 27, 2008, which vest in three equal annual installments beginning on February 27, 2009.

#### Remarks:

Thomas Meek for D.J. 03/03/2010 Monagle III

\*\* 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.