FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

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ı	OMB APPR	OVAL					
	OMB Number:	3235-0287					
	Estimated average burden						

0.5

hours per response:

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

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* PASQUALE MICHAEL F				2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [MTX								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
<u>PASQU</u>	ALE MIC	CHAEL F]									X Director			10% Ow	·
(Last)	(Firs	st) (I	Middle)										Officer below)	(give title		Other (sp below)	ecify
MINERALS TECHNOLOGIES INC.					3. Date of Earliest Transaction (Month/Day/Year) 09/15/2005								,			,	
405 LEXINGTON AVENUE				4. 1	If Amendment, Date of Original Filed (Month/Day/Year)							6. Ir	6. Individual or Joint/Group Filing (Check Applicable				
(Street)	RK NY	· 1	.0174					·				Line	,	led by One	Reporting	Person	
	141		.0174	_									Form fi Person	led by More	than One	e Reporti	ng
(City)	(Sta	ite) (2	Zip)														
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
1. Title of Security (Instr. 3) 2. Transa: Date (Month/D				Execution Date,			3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5)			i (A) or : 3, 4 and	1 and Securities Beneficially Owned Follo		6. Owners Form: Dire (D) or Indi (I) (Instr. 4	ect Ir irect B	7. Nature of Indirect Beneficial Ownership		
							Code	v	Amount	ount (A) or (D)		Reported Transacti (Instr. 3 a	on(s)		l (li	nstr. 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/Year)	4. Transa Code () 8)		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amou of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly Ow For Or I (I) (10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable		piration te	Title	Amount or Number of Shares					
PHANTOM STOCK UNITS	\$0 ⁽¹⁾	09/15/2005	09/15/2005	A	v	5.313		(2)		(2)	COMMON STOCK	5.313	\$60.03	5,783.274	4 ⁽³⁾	D	

Explanation of Responses:

- 1. EACH PHANTOM STOCK UNIT, WHEN REDEEMED, WILL HAVE THE VALUE OF ONE SHARE OF THE COMPANY'S COMMON STOCK ON THE FIRST BUSINESS DAY OF THE MONTH IN WHICH PAYMENT IS MADE.
- 2. THE PHANTOM STOCK UNITS REPRESENT DIVIDENDS ACCRUED UNDER THE MINERALS TECHNOLOGIES INC. NON-FUNDED DEFERRED COMPENSATION AND UNIT AWARD PLAN FOR NON-EMPLOYEE DIRECTOR'S AND ARE TO BE SETTLED IN CASH UPON THE REPORTING PERSON'S RETIREMENT.
- 3. THE REPORTING PERSON ALSO DIRECTLY OWNS EMPLOYEE STOCK OPTIONS (I) TO PURCHASE 151 SHARES OF MTX COMMON STOCK AT \$39.53 PER SHARE WHICH BECAME EXERCISABLE IN THREE EQUAL ANNUAL INSTALLMENTS BEGINNING ON JANUARY 28, 2000 AND EXPIRING ON JANUARY 28, 2009 AND (II) TO PURCHASE 168 SHARES OF MTX COMMON STOCK AT \$46.625 PER SHARE WHICH BECAME EXERCISABLE IN THREE EQUAL ANNUAL INSTALLMENTS BEGINNING ON JANUARY 24, 2003 AND EXPIRING ON JANUARY 24, 2012.

Remarks:

VICTORIA LUKAUSKAS FOR MICHAEL F.

09/16/2005

PASQUALE

** 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 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.