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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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Section 16. Form 4 or Form 5	
obligations may continue. See	
Instruction 1(b).	

FORM 4

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* BOURUET AUBERTOT ALAIN			2. Issuer Name and Ticker or Trading Symbol <u>MINERALS TECHNOLOGIES INC</u> [MTX]		ionship of Reporting Person(all applicable) Director Officer (give title below)	s) to Issuer 10% Owner Other (specify below)
	(First) (Middle) RALS TECHNOLOGIES INC. EXINGTON AVENUE		3. Date of Earliest Transaction (Month/Day/Year) 02/25/2004		SENIOR VICE PRE	, ,
(Street) NEW YORK (City)	NY (State)	10174 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indivi X	dual or Joint/Group Filing (Cl Form filed by One Reportir Form filed by More than Or	ng Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)					5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)
COMMON STOCK	09/23/2003 ⁽⁵⁾		J ⁽⁵⁾		5.59	A	\$52.25 ⁽⁵⁾	174.7	Ι	BY 401(K) PLAN

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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)		Derivative		6. Date Exerci Expiration Dat (Month/Day/Ye	te	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
EMPLOYEE STOCK OPTION (RIGHT TO BUY)	\$53.89	02/25/2004	02/25/2004	A			9,800	(1)	(1)	COMMON STOCK	9,800	\$0 ⁽³⁾	29,800	D	
DEFERRED STOCK	(3)	02/25/2004	02/25/2004	A		3,400		02/25/2004 ⁽²⁾	02/25/2009 ⁽²⁾	COMMON STOCK	3,400	\$0 ⁽³⁾	7,300	D	
PHANTOM STOCK UNITS	(3)	12/31/2003		A		43.4		(4)	(4)	COMMON STOCK	43.4	(3)	84	D	

Explanation of Responses:

1. THE OPTION VESTS IN FOUR EQUAL ANNUAL INSTALLMENTS BEGINNING ON FEBRUARY 25, 2005.

2. DEFERRED STOCK ISSUED PURSUANT TO THE COMPANY'S 2001 STOCK AWARD AND INCENTIVE PLAN. DEFERRED STOCK VESTS FIVE YEARS FROM DATE OF REPORTING PARTY'S RECEIPT OF NOTIFICATION.

3. ONE-FOR-ONE

4. THE REPORTED PHANTOM STOCK UNITS WERE ACQUIRED UNDER THE MINERALS TECHNOLOGIES INC. EXCESS BENEFIT PLAN AND ARE TO BE SETTLED UPON THE REPORTING PERSON'S RETIREMENT OR OTHER TERMINATION OF SERVICE BASED UPON A REPORT DATED DECEMBER 31, 2003.

5. MR. BOURUET-AUBERTOT HAS 174.7 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 DECEMBER 31, 2003.

Remarks:

LINDA A. BUGGELN FOR ALAIN BOURUET-AUBERTOT

02/27/2004

Date

** Signature of Reporting Person

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.