BRYAN MARY E.

Check this box if

no longer subject

to Section 16.

5 obligations

may continue.

Form 4 or Form

Form 5

August 17, 2010

FORM 5 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

OMB 3235-0362 Number:

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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Washington, D.C. 20549

See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported

30(h) of the Investment Company Act of 1940 Form 4

Transactions Reported

(Last)

1. Name and Address of Reporting Person * BRYAN MARY E.

(First)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

American Rare Earths & Materials,

(Check all applicable)

Corp. [OTC:AREM] (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)

X Director 10% Owner Officer (give title Other (specify below) below)

C/O AMERICAN RARE EARTHS AND MATERIALS, CORP. 200 QUEENS QUAY EAST, UNIT #1

> (Street) 4. If Amendment, Date Original

> > Filed(Month/Day/Year)

06/30/2010

6. Individual or Joint/Group Reporting

(check applicable line)

TORONTO, A6Â M5A 4K9

X Form Filed by One Reporting Person Form Filed by More than One Reporting

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

3. 1. Title of 2. Transaction Date 2A. Deemed 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction Acquired (A) or Securities Form: Direct Indirect (D) or (Instr. 3) Disposed of (D) Beneficially Beneficial Code (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned at end Indirect (I) Ownership of Issuer's (Instr. 4) (Instr. 4)

(A) Fiscal Year or

(Instr. 3 and 4) Amount (D) Price

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

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 control number.

SEC 2270 (9-02)

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		tive Expiration Date ties (Month/Day/Year) red (A) possed of 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amoun or Numbe of Shar
Warrant	\$ 0.1	01/06/2009	Â	A4	75,000	Â	01/06/2009	01/05/2011	Common Stock	75,00
Options	\$ 0.5	05/17/2010	Â	A4	91,000	Â	05/17/2010	05/17/2012	Common Stock	91,00

Reporting Owners

	Relationships				
Reporting Owner Name / Address	Director	10% Owner	Officer	Other	
BRYAN MARY E. C/O AMERICAN RARE EARTHS AND MATERIALS CORP. 200 QUEENS QUAY EAST, UNIT #1 TORONTO, A6 M5A 4K9	ÂX	Â	Â	Â	

Signatures

/s/ Mary Bryan 08/16/2010

**Signature of Person Date

Reporting Person

Explanation of Responses:

- * 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).
- (1) Securities issued to Reporting Person in consideration for services performed as a member of the Issuer's board of directors

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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