MASSIE SCOTT Form 4 February 08, 2006

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number: January 31,

Expires:

response...

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2005 Estimated average burden hours per

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

| 1. Name and Ad MASSIE SCO | • | rting Person * | 2. Issuer Name and Ticker or Trading Symbol EMCORE CORP [EMKR] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | |
|--|------------|----------------|---|--|--|--|
| (Last) (First) (Middle) C/O EMCORE CORPORATION, 145 BELMONT DRIVE | | (Middle) | 3. Date of Earliest Transaction | (Chech all application) | | |
| | | BELMONT | (Month/Day/Year) 02/06/2006 | Director 10% Owner _X Officer (give title Other (specify below) Chief Operating Officer | | |
| (Street) | | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | |
| SOMERSET | , NJ 08873 | | Filed(Month/Day/Year) | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | |

| (City) | (State) | (Zip) Tabl | e I - Non-I | Derivative | Secur | ities Acqui | red, Disposed of, | or Beneficiall | y Owned |
|--------------------------------------|--------------------------------------|---|--|-------------------------------------|---------|--------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactio Code (Instr. 8) | 4. Securition Dispose (Instr. 3, 4) | ed of (| | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Emcore Common Stock | 02/06/2006 | | S | 484 | D | \$ 8.78 | 500 (1) | D | |
| Emcore Common Stock | 02/06/2006 | | S | 500 | D | \$ 8.7808 | 0 | D | |
| Emcore Common Stock | 02/06/2006 | | M | 10,000 | A | \$ 2.63 | 10,000 | D | |
| Emcore | 02/06/2006 | | S | 10,000 | D | \$ 8.7 | 0 | D | |

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| Common Stock | | | | | | | |
|---------------------------|------------|---|--------|---|---------|--------|---|
| Emcore Common Stock | 02/16/2006 | M | 40,516 | A | \$ 2.85 | 40,516 | D |
| Emcore Common Stock | 02/06/2006 | S | 40,516 | D | \$ 8.7 | 0 | D |
| Emcore Common Stock | 02/06/2006 | M | 800 | A | \$ 2.85 | 800 | D |
| Emcore Common Stock | 02/06/2006 | S | 800 | D | \$ 8.8 | 0 | D |
| Emcore Common Stock | 02/06/2006 | M | 1,600 | A | \$ 2.85 | 1,600 | D |
| Emcore Common Stock | 02/06/2006 | S | 1,600 | D | \$ 8.81 | 0 | D |
| Emcore Common Stock | 02/06/2006 | M | 200 | A | \$ 2.85 | 200 | D |
| Emcore Common Stock | 02/06/2006 | S | 200 | D | \$ 8.75 | 0 | D |
| Emcore Common Stock | 02/06/2006 | M | 200 | A | \$ 2.85 | 200 | D |
| Emcore Common Stock | 02/06/2006 | S | 200 | D | \$ 8.77 | 0 | D |
| Emcore Common Stock | 02/06/2006 | M | 700 | A | \$ 2.85 | 700 | D |
| Emcore Common Stock | 02/06/2006 | S | 700 | D | \$ 8.74 | 0 | D |
| Emcore Common Stock | 02/06/2006 | M | 600 | A | \$ 2.85 | 600 | D |
| Emcore Common Stock | 02/06/2006 | S | 600 | D | \$ 8.79 | 0 | D |

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| Emcore Common Stock | 02/06/2006 | M | 500 | A | \$ 2.85 | 500 | D | |
|---------------------------|------------|---|-------|---|---------|-------|---|-------------------|
| Emcore Common Stock | 02/06/2006 | S | 500 | D | \$ 8.78 | 0 | D | |
| Emcore Common Stock | 02/06/2006 | M | 2,492 | A | \$ 2.85 | 2,492 | D | |
| Emcore Common Stock | 02/06/2006 | S | 2,492 | D | \$ 8.71 | 0 | D | |
| Emcore Common Stock | 02/06/2006 | M | 1,992 | A | \$ 2.85 | 1,992 | D | |
| Emcore Common Stock | 02/06/2006 | S | 1,992 | D | \$ 8.73 | 0 | D | |
| Emcore Common Stock | 02/06/2006 | M | 400 | A | \$ 2.85 | 400 | D | |
| Emcore Common Stock | 02/06/2006 | S | 400 | D | \$ 8.72 | 0 | D | |
| Common Stock | | | | | | 302 | I | by 401(k) Plan |

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

3. Transaction Date 3A. Deemed

1. Title of

2.

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.

5. Number of 6. Date Exercisable and

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

| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transaction | orDerivative | Expiration D | ate | Underlying | Securities |
|------------|-------------|------------------|--------------------|-------------|----------------|--------------|------------|---------------|------------|
| Security | or Exercise | | any | Code | Securities | (Month/Day/ | Year) | (Instr. 3 and | 14) |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Acquired (A) | | | | |
| | Derivative | | | | or Disposed of | | | | |
| | Security | | | | (D) | | | | |
| | | | | | (Instr. 3, 4, | | | | |
| | | | | | and 5) | | | | |
| | | | | | | | | | Amount |
| | | | | | | Date | Expiration | Title | or |
| | | | | | | Exercisable | Date | Title | Number |
| | | | | Code V | (A) (D) | | | | of Shares |

7. Title and Amount of

SEC 1474

(9-02)

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| Employee Stock Option (right to buy) | \$ 2.63 | 02/06/2006 | M | 10,000 | (2) | 05/18/2014 | Common Stock | 10,000 |
|--|---------|------------|---|--------|-----|------------|-----------------|--------|
| Employee Stock Option (right to buy) | \$ 2.85 | 02/06/2006 | M | 50,000 | (3) | 09/16/2012 | Common Stock | 50,000 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MASSIE SCOTT C/O EMCORE CORPORATION 145 BELMONT DRIVE SOMERSET, NJ 08873

Chief Operating Officer

Signatures

/s/ Scott Massie 02/08/2006

**Signature of 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) Mr. Massie acquired 984 shares on December 30, 2005 through his participation in the Company's Employee Stock Purchase Plan.
- (2) This grant vests in four equal installments beginning on May 18, 2005
- (3) This option vests in three equal installments beginning on September 16, 2003

Note: File three copies of this Form, one of which must be manually signed. If space 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.

Reporting Owners 4