Gomez Alfredo Form 4 May 03, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

0.5

Estimated average burden hours per response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

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

1(b).

(Last)

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Gomez Alfredo

2. Issuer Name and Ticker or Trading Symbol

30(h) of the Investment Company Act of 1940

5. Relationship of Reporting Person(s) to

Issuer

EMCORE CORP [EMKR] (Middle)

(Check all applicable)

10420 RESEARCH ROAD SE

(First)

(Street)

3. Date of Earliest Transaction (Month/Day/Year)

04/29/2011

Director 10% Owner X_ Officer (give title _ Other (specify

below) Gen. Counsel and Corp. Sec.

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

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

Person

ALBUQUERQUE, NM 87123

| (City) | (State) | Zip) Table | e I - Non-D | erivative Securities | Acquired, Disposed | of, or Beneficia | lly Owned |
|---------------------------|--------------------------------------|-------------------------|------------------|---|---|---------------------------|-------------------------|
| 1.Title of Security | 2. Transaction Date (Month/Day/Year) | | 3. Transactio | 4. Securities Acquir on(A) or Disposed of | ed 5. Amount of Securities | 6. Ownership Form: Direct | 7. Nature of Indirect |
| (Instr. 3) | | any (Month/Day/Year) | Code (Instr. 8) | (D) (Instr. 3, 4 and 5) | Beneficially Owned | (D) or Indirect (I) | Beneficial Ownership |
| | | | Code V | (A) or Amount (D) Pri | Following Reported Transaction(s) (Instr. 3 and 4) | (Instr. 4) | (Instr. 4) |
| Emcore Common Stock | 04/29/2011 | | | 191 (2) A \$ 2.6 | | D | |
| Emcore Common Stock | | | | | 4,721 <u>(1)</u> | I | By Trust 401(k) |

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

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

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerci | isable and | 7. Title | e and | 8. Price of | 9 |
|-------------|-------------|---------------------|--------------------|-------------|------------|----------------|------------|----------|-------------|-------------|---|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transaction | orNumber | Expiration Da | te | Amour | nt of | Derivative | 1 |
| Security | or Exercise | | any | Code | of | (Month/Day/Y | (ear) | Underl | lying | Security | 5 |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securit | ties | (Instr. 5) |] |
| | Derivative | | | | Securities | | | (Instr. | 3 and 4) | | (|
| | Security | | | | Acquired | | | | | | 1 |
| | | | | | (A) or | | | | | | 1 |
| | | | | | Disposed | | | | | | - |
| | | | | | of (D) | | | | | | (|
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | A | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | | or Namel | | |
| | | | | | | Exercisable | Date | | Number | | |
| | | | | C 1 17 | (A) (D) | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Gomez Alfredo

10420 RESEARCH ROAD SE Gen. Counsel and Corp. Sec.

ALBUQUERQUE, NM 87123

Signatures

/s/ Alfredo Gomez 05/03/2011

**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) Shares attributable to EMCORE Corporation 401(k) account as of March 31, 2011.
- (2) Shares were purchased under the Company's Director and Officer Share Purchase Plan in a transaction exempt from Section 16b pursuant to Rule 16b-3(d).
- (3) Includes 50,000 shares of restricted stock granted under the Company's 2010 Equity Incentive Plan, vesting in three equal installments beginning on January 28, 2012.

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 2