Larocca Christopher M Form 4 December 09, 2011

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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

Check this box

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

(Print or Type Responses)

1(b).

(Last)

(City)

1. Name and Address of Reporting Person * Larocca Christopher M

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(First)

(Middle)

EMCORE CORP [EMKR] 3. Date of Earliest Transaction

(Check all applicable)

10420 RESEARCH ROAD SE

(Month/Day/Year)

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

12/07/2011

Chief Operating Officer

(Street) 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

Ι

Person

ALBUQUERQUE, NM 87123

(State)

| (City) | (State) (| Tal | ble I - Non-D | Perivative Securities Acq | uired, Disposed of | f, or Beneficial | ly Owned |
|------------|---------------------|--------------------|---------------|---------------------------|--------------------|------------------|------------|
| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. | 4. Securities Acquired | 5. Amount of | 6. Ownership | 7. Nature |
| Security | (Month/Day/Year) | Execution Date, if | Transaction | on(A) or Disposed of (D) | Securities | Form: Direct | Indirect |
| (Instr. 3) | | any | Code | (Instr. 3, 4 and 5) | Beneficially | (D) or | Beneficial |
| | | (Month/Day/Year) | (Instr. 8) | | Owned | Indirect (I) | Ownership |
| | | | | | | | |

(Zip)

5. Amount of Securities Beneficially (D) or Owned Following (Instr. 4)

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4)

(A) Code V Amount (D) Price

Reported Transaction(s) (Instr. 3 and 4)

Emcore 48,000 Common 200,319 (1) D 12/07/2011 Α (3) 0.98

Stock

Stock

Emcore Common $20,599^{(2)}$

By Trust 401(k)

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

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SEC 1474 (9-02)

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

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------|-------------|--------------|--------------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transactio | onNumber | Expiration D | ate | Amoun | t of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underly | ying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securit | ies | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. 3 | 3 and 4) | | Own |
| | Security | | | | Acquired | | | | | | Follo |
| | • | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | A manuat | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | | Or Number | | |
| | | | | | | Exercisable | Date | Title Number | | | |
| | | | | C + V | (A) (D) | | | | | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

Larocca Christopher M 10420 RESEARCH ROAD SE **ALBUQUERQUE, NM 87123**

Chief Operating Officer

Signatures

Alfredo Gomez, 12/09/2011 attorney-in-fact

**Signature of Reporting Person Date

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).
- Includes 70,000 shares of restricted stock granted under the Company's 2010 Equity Incentive Plan, vesting in three equal annual
- installments beginning on January 28, 2012 and 50,000 restricted stock units granted under the Company's 2010 Equity Incentive Plan and vesting in three equal annual installments beginning on August 22, 2012.
- (2) Shares attributable to EMCORE Corporation 401(k) account as of September 30, 2011.
- (3) Vests in four equal installments on February 14, 2012; December 6, 2012; December 6, 2013; and December 6, 2014.

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.

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