ALBEMARLE CORP

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

may continue.

See Instruction

Form 5

Form 4

February 28, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

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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).

ALBEMARLE

STREET

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person * KISSAM LUTHER C IV

2. Issuer Name and Ticker or Trading Symbol

ALBEMARLE CORP [ALB]

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

(Last) (First)

(Middle)

3. Date of Earliest Transaction

4. If Amendment, Date Original

10% Owner _X__ Director

CORPORATION, 451 FLORIDA

(Zip)

(Month/Day/Year) 02/24/2012

X_ Officer (give title Other (specify below) President and CEO

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

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

(Street)

(State)

Filed(Month/Day/Year)

BATON ROUGE, LA 70801

| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. | 4. Securiti | ies Acq | uired | 5. Amount of | 6. | 7. Nature of |
|------------|---------------------|--------------------|--------------|--------------|---------|--------|------------------|-------------|--------------|
| Security | (Month/Day/Year) | Execution Date, if | Transactio | or(A) or Dis | sposed | of (D) | Securities | Ownership | Indirect |
| (Instr. 3) | | any | Code | (Instr. 3, 4 | and 5) |) | Beneficially | Form: | Beneficial |
| | | (Month/Day/Year) | (Instr. 8) | | | | Owned | Direct (D) | Ownership |
| | | | | | | | Following | or Indirect | (Instr. 4) |
| | | | | | (4) | | Reported | (I) | |
| | | | | | (A) | | Transaction(s) | (Instr. 4) | |
| | | | $\alpha + w$ | | or | ъ. | (Instr. 3 and 4) | | |
| | | | Code V | Amount | (D) | Price | | | |

Albemarle Common 3,378 (1) Ι Savings Stock Plan

Common 02/24/2012 M 20,000 \$ 0 (2) 139,662 D Α Stock

Common 6,744 132,918 02/24/2012 F D Stock

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (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 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 or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and A Underlying S (Instr. 3 and 4 |
|---|---|--------------------------------------|---|---|--|--------|--|--------------------|---|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title |
| Performance Unit | <u>(4)</u> | 02/24/2012 | | M | | 20,000 | (5) | <u>(6)</u> | Common Stock |
| Non-Qualified Stock Option | \$ 66.14 | 02/24/2012 | | A | 59,000 | | <u>(7)</u> | 02/24/2022 | Common Stock |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--|---------------|-----------|-------------------|-------|--|--|--|
| | Director | 10% Owner | Officer | Other | | | |
| KISSAM LUTHER C IV ALBEMARLE CORPORATION 451 FLORIDA STREET BATON ROUGE, LA 70801 | X | | President and CEO | | | | |

Signatures

/s/ Karen G. Narwold, attorney in fact 02/28/2012

**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).
- (1) Portion of share increase due to periodic purchases by Albemarle Corporation Savings Plan trustee.
- (2) Transaction has no purchase or sale price.
- (3) 20,000 Performance Units vested on 2/24/2012. 6,744 shares withheld to meet tax liabilities associated with such vested shares.
- (4) Each Performance Unit converts to 1 share of Common Stock.
- Performance Units issued on 3/12/2010. Total of 40,000 Performance Units granted by Compensation Committee upon achievement of superior level of performance objectives. Performance Units vest over a 2 year period -- 50% vested on 2/24/2012 and 50% to vest on 1/1/2013.

(6) No expiration date.

Reporting Owners 2

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(7) Stock Option vests in three equal installments over 3 years: 2/24/2013, 2/24/2014, and 2/24/2015.

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.