GREEN REYNOLD K

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 4

September 18, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB 3235-0287

OMB APPROVAL

Number:

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January 31, 2005

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SECURITIES

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 Address of Reporting Person *

2. Issuer Name and Ticker or Trading

Issuer

GREEN REYNOLD K

Symbol MERRIMAC INDUSTRIES INC

(Check all applicable)

5. Relationship of Reporting Person(s) to

[MRM]

(Last) (First)

796 STARVIEW WAY

3. Date of Earliest Transaction

Director X_ Officer (give title below)

(Month/Day/Year)

09/16/2009

Other (specify VP and Chief Operating Officer

10% Owner

6. Individual or Joint/Group Filing(Check

(Street) 4. If Amendment, Date Original

Applicable Line) _X_ Form filed by One Reporting Person

Filed(Month/Day/Year)

Form filed by More than One Reporting Person

BRIDGEWATER, NJ 08807

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

1. Title of Security (Instr. 3)

(Month/Day/Year)

2. Transaction Date 2A. Deemed Execution Date, if

(Month/Day/Year)

(Middle)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I)

(Instr. 4)

(Instr. 4)

Reported (A)

Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

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)

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of 8 **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A) Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Expiration Title Amount Exercisable Date Number of Shares Common (1) 09/15/2019 **Options** \$ 7.83 09/16/2009 Α 15,000 15,000 Stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

GREEN REYNOLD K 796 STARVIEW WAY BRIDGEWATER, NJ 08807

VP and Chief Operating Officer

Signatures

/s/ Reynold K. 09/18/2009 Green

**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).

These options were granted under the Issuer's 2006 Stock Option Plan and become exercisable as follows: one-third of such options are exercisable on September 16, 2010, an additional one-third are exercisable on September 16, 2011, and an additional one-third are exercisable on September 16, 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.

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