

Aladwani Khairan M
 Form 4
 February 19, 2010

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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. Name and Address of Reporting Person *
 Aladwani Khairan M

2. Issuer Name and Ticker or Trading Symbol
 SHARPS COMPLIANCE CORP
 [SMED]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 9220 KIRBY DRIVE, SUITE 500
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/17/2010

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 V. P. of Quality Control

HOUSTON, TX 77054

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|
| | | | | (A) or (D) Code V Amount (D) Price | | | |
| Common Stock | 02/17/2010 | | M ⁽¹⁾ | 8,333 A \$ 2.8 | 8,333 | D | |
| Common Stock | 02/17/2010 | | S ⁽¹⁾ | 8,333 D \$ 7.75 | 0 | D | |

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 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 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 Amount of Underlying Securities (Instr. 3 and 4) | | | | |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|------------------|-----------------|--------------|----------------------------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Employee Stock Option | \$ 2.8 | 02/17/2010 | | M ⁽¹⁾ | | 8,333 | | 06/23/2009 | 06/23/2015 | Common Stock | 8,333 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--------------------------------------------------------------------------|---------------|-----------|--------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Aladwani Khairan M 9220 KIRBY DRIVE SUITE 500 HOUSTON, TX 77054 | | | V. P. of Quality Control | |

Signatures

Lynn H. Carnes 02/19/2010

 **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) Cashless exercise and immediate sale through a broker of a stock award granted on June 23, 2008. All shares were issued under the Sharps Compliance Corp. 1993 Stock Plan, are currently exercisable and would have expired 7 years from the date of grant.

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.