

Houtkin Sherry  
Form 4  
February 12, 2009

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*

Houtkin Sherry

(Last) (First) (Middle)

3900 ISLAND  
BLVD., PENTHOUSE 4

(Street)

AVENTURA, FL 33160

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

GENCOR INDUSTRIES INC  
[GENC]

3. Date of Earliest Transaction

(Month/Day/Year)

03/17/2008

4. If Amendment, Date Original Filed

(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_ Director \_\_\_X\_\_\_ 10% Owner  
\_\_\_ Officer (give title below) \_\_\_ Other (specify below)

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

\_\_\_ Form filed by One Reporting Person  
\_X\_ Form filed by More than One Reporting Person

**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 Indirect Beneficial Ownership (Instr. 4) |           |   |                                 |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|-----------|---|---------------------------------|
|                                 |                                      |                                                    | Code                           | V                                                                 | Amount                                                                                        | (A) or (D)                                               | Price                                                 |           |   |                                 |
| Common Stock, \$.10 par value   | 03/17/2008                           |                                                    | P                              |                                                                   | 100                                                                                           | A                                                        | \$ 15.38                                              | 1,252,733 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value   | 03/17/2008                           |                                                    | P                              |                                                                   | 100                                                                                           | A                                                        | \$ 15.29                                              | 1,252,833 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par         | 03/17/2008                           |                                                    | P                              |                                                                   | 100                                                                                           | A                                                        | \$ 15.25                                              | 1,252,933 | I | By Spouse (deceased 07/25/2008) |

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|                               |            |   |     |   |          |           |   |                                 |
|-------------------------------|------------|---|-----|---|----------|-----------|---|---------------------------------|
| value                         |            |   |     |   |          |           |   |                                 |
| Common Stock, \$.10 par value | 03/17/2008 | P | 100 | A | \$ 15.22 | 1,253,033 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/17/2008 | P | 100 | A | \$ 15.55 | 1,253,133 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/17/2008 | P | 100 | A | \$ 15.05 | 1,253,233 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/17/2008 | P | 100 | A | \$ 15    | 1,253,333 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/17/2008 | P | 100 | A | \$ 15.2  | 1,253,433 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/18/2008 | P | 100 | A | \$ 17.35 | 1,253,533 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/18/2008 | P | 100 | A | \$ 17.49 | 1,253,633 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/18/2008 | P | 200 | A | \$ 17.5  | 1,253,833 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/19/2008 | P | 100 | A | \$ 17.3  | 1,253,933 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/19/2008 | P | 100 | A | \$ 16.82 | 1,254,033 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/19/2008 | P | 100 | A | \$ 16.85 | 1,254,133 | I | By Spouse (deceased 07/25/2008) |

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|                               |            |   |                    |   |          |           |   |                                 |
|-------------------------------|------------|---|--------------------|---|----------|-----------|---|---------------------------------|
| Common Stock, \$.10 par value | 03/19/2008 | P | 200                | A | \$ 17.55 | 1,254,333 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/19/2008 | P | 200                | A | \$ 17.3  | 1,254,533 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/19/2008 | P | 200                | A | \$ 17.26 | 1,254,733 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/19/2008 | P | 200                | A | \$ 17.25 | 1,254,933 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/19/2008 | P | 300                | A | \$ 17.2  | 1,255,233 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/20/2008 | P | 100                | A | \$ 15.5  | 1,255,333 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/20/2008 | S | 100                | D | \$ 16.5  | 1,255,233 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/25/2008 | S | 200                | D | \$ 19.4  | 1,255,033 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/25/2008 | S | 200 <sup>(1)</sup> | D | \$ 19.64 | 1,254,833 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 03/17/2008 | P | 100                | A | \$ 15.68 | 874,050   | D |                                 |
| Common Stock, \$.10 par value | 03/17/2008 | P | 300                | A | \$ 15.55 | 874,350   | D |                                 |
|                               | 03/17/2008 | S | 100                | D |          | 874,250   | D |                                 |

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Common Stock, \$.10 par value \$ 15.38

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 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) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Following Transaction (Instr. 5) |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|

Reporting Owners

| Reporting Owner Name / Address                                                            | Relationships |           |         |       |
|-------------------------------------------------------------------------------------------|---------------|-----------|---------|-------|
|                                                                                           | Director      | 10% Owner | Officer | Other |
| Houtkin Sherry<br>3900 ISLAND BLVD.<br>PENTHOUSE 4<br>AVENTURA, FL 33160                  |               | X         |         |       |
| HOUTKIN HARVEY<br>% SHERRY HOUTKIN<br>3900 ISLAND BLVD, PENTHOUSE 4<br>AVENTURA, FL 33160 |               | X         |         |       |

Signatures

/s/ Sherry Houtkin 02/05/2009

\*\*Signature of Reporting Person Date

/s/ Brad Houtkin

02/05/2009

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) All of the foregoing transactions were effected prior to Mr. Houtkin's death (07/25/08) and reflect shares in which he had a beneficial ownership, other than shares beneficially owned by his spouse, Sherry Houtkin, which are reported herein by Mrs. Houtkin.

### Remarks:

All of the foregoing transactions were effected prior to Mr. Houtkin's death (07/25/08) and reflect shares in which he had a beneficial ownership, other than shares beneficially owned by his spouse, Sherry Houtkin, which are reported herein by Mrs. Houtkin.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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