Nolden Dean J Form 5 February 14, 2007

FORM 5

OMB APPROVAL

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

OMB Number: 3235-0362

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

Check this box if

Expires: January 31, 2005
Estimated average

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

burden hours per response...

1.0

may continue.

See Instruction
1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

Reported Form 4 Transactions Reported 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person * Nolden Dean J | | | 2. Issuer Name and Ticker or Trading Symbol | 5. Relationship of Reporting Person(s) to Issuer | | | |
|---|---------|----------|--|---|--|--|--|
| | | | MANITOWOC CO INC [MTW] | (Check all applicable) | | | |
| (Last) | (First) | (Middle) | 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) | Director 10% Overson | | | |
| 2400 SOUTH 44TH STREET (Street) | | | 12/31/2006 | Director 10% Owner Other (special content of the co | | | |
| | | | | below) below) VP of Finance and Controller | | | |
| | | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Reporting | | | |
| | | | Filed(Month/Day/Year) | | | | |

(check applicable line)

MANITOWOC, WIÂ 54220

(State)

(Zip)

(City)

X Form Filed by One Reporting Person ___ Form Filed by More than One Reporting Person

-4:--- C-----:4:-- A ----:--- D:------- J -f --- D-----f:-:-II--

| (5) | (=) | Tab | ole I - Non-De | rivative Sec | urities | Acquire | a, Disposed of, | or Beneficiall | y 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 at end of Issuer's Fiscal Year | Ownership Form: Direct (D) or Indirect (I) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| Common Stock | 12/11/2006 | Â | A | Amount 1.6 (1) | or (D) | Price \$ 62.21 | (Instr. 3 and 4) 5,011.6 | (Instr. 4) | Â |
| Common Stock RSVP 401k Plan | 12/31/2006 | Â | A | 920.874 | A | \$ 0 | 3,967.486 (2) | I | Common Stock RSVP 401k Plan |

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

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SEC 2270 (9-02)

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

| Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | Execution Date, if | 4. Transaction | 5. Number | 6. Date Exerc Expiration Da | ate | 7. Title Amou | nt of | 8. Price of Derivative |
|---------------------|---|--------------------------------------|-------------------------|--------------------|---|--------------------------------|--------------------|----------------------------|--|------------------------|
| Security (Instr. 3) | or Exercise Price of Derivative Security | | any (Month/Day/Year) | Code (Instr. 8) | of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | i ear) | Under Securi (Instr. | , , | Security (Instr. 5) |
| | | | | | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |

Of D So

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Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--|---------------|-----------|------------------------------|-------|--|--|
| | Director | 10% Owner | Officer | Other | | |
| Nolden Dean J 2400 SOUTH 44TH STREET MANITOWOC, WI 54220 | Â | Â | VP of Finance and Controller | Â | | |

Signatures

Maurice D. Jones, Power of Attorney 02/14/2007

**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) Shares acquired in exempt transactions pursuant to a Shareholder Dividend Reinvestment Plan.
 - Consists of shares held under the Company's 401(k) plan, The Manitowoc Company, Inc. RSVP Profit Sharing Plan, including 920.8740 shares acquired in transactions occurring between 12/31/05 and 12/31/06, which are exempt from Section 16(b) pursuant to Rule 16b-3
- (2) and exempt from reporting pursuant to Rule 16a-3(f)(1)(i)(B). The information in this report is based on a plan statement dated as of 12/31/06. From time to time the plan administrator collects maintenance fees related to the RSVP Plan, which may result in the number of shares held by a participant in the RSVP Plan declining by a marginal amount.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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