Gliebe Mark Joseph Form 4 January 30, 2006

Check this box

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16. Form 4 or

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Gliebe Mark Joseph

(First)

2. Issuer Name and Ticker or Trading Symbol

REGAL BELOIT CORP [RBC]

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

01/27/2006

Director 10% Owner X_ Officer (give title Other (specify below)

5. Relationship of Reporting Person(s) to

(Check all applicable)

President/COO

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Issuer

BELOIT, WI 53511

200 STATE STREET

(City) (State) (Zip)

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

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) (Instr. 3)

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 Reported

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

(Instr. 4)

Ownership (Instr. 4)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

(A) Code V Amount (D) Price

Transaction(s) (Instr. 3 and 4)

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)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of 3. Transaction Date 3A. Deemed 4. 5. Number of 6. Date Exercisable and 7. Title and An Derivative Conversion (Month/Day/Year) Execution Date, if Transaction Derivative **Expiration Date** Underlying Sec Securities Security or Exercise any Code (Month/Day/Year) (Instr. 3 and 4)

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(,	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed or (D) (Instr. 3, 4, and 5)	f		
				Code V	(A) (D) Date Exercisable	Expiration Date	Title
Restricted Stock	\$ 36.36	01/27/2006	01/27/2009	A	8,000	01/27/2009	01/27/2009	Restricted Stock
Non-qualified Stock Option	\$ 36.36	01/27/2006	01/27/2008(1)	A	35,000	01/27/2008(1)	01/27/2016	Non-qualifie Stock Option

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Gliebe Mark Joseph 200 STATE STREET BELOIT, WI 53511

President/COO

Signatures

Mark J. Gliebe 01/30/2006

**Signature of 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 vest at 20% per year after one year; exercisable after two years.

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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