Underwood Peter C Form 3 September 29, 2010

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

OMB APPROVAL

OMB Number:

3235-0104

Expires:

response...

January 31, 2005

0.5

Estimated average burden hours per

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement REGAL BELOIT CORP [RBC] A Underwood Peter C (Month/Day/Year) 09/27/2010 (Last) (First) (Middle) 4. Relationship of Reporting

Person(s) to Issuer 200 STATE STREET

5. If Amendment, Date Original

Filed(Month/Day/Year)

(Check all applicable)

Director 10% Owner _X__ Officer Other (give title below) (specify below) VP-General Counsel & Secretary

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

Person

Form filed by More than One

Reporting Person

BELOIT, WIÂ 53511

(City) (State) (Zip)

(Street)

1. Title of Security

(Instr. 4)

Table I - Non-Derivative Securities Beneficially Owned

2. Amount of Securities Beneficially Owned

(Instr. 4)

Ownership Form: Direct (D)

or Indirect (I) (Instr. 5)

4. Nature of Indirect Beneficial Ownership (Instr. 5)

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

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Security 2. Date Exercisable and 3. Title and Amount of 4. 5. 6. Nature of Indirect Ownership (Instr. 4) **Expiration Date** Securities Underlying Conversion Beneficial Ownership (Month/Day/Year) **Derivative Security** or Exercise Form of (Instr. 5) (Instr. 4) Price of Derivative Derivative Security: Expiration Date Security Direct (D) Exercisable Date Amount or or Indirect Title Number of (I) Shares (Instr. 5)

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Underwood Peter C

200 STATE STREET Â Â Â VP-General Counsel & Secretary Â

BELOIT, WIÂ 53511

Signatures

/s/ Peter C.
Underwood

**Signature of Reporting Person

O9/29/2010

Date

Explanation of Responses:

No securities are beneficially owned

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).

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.

Reporting Owners 2