

Taylor Nicholle Renee
Form 5
January 11, 2011

FORM 5

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).
Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

1. Name and Address of Reporting Person *
Taylor Nicholle Renee

2. Issuer Name and Ticker or Trading Symbol
ARTESIAN RESOURCES CORP
[ARTNA]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
12/31/2010

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

Director / Vice President

664 CHURCHMANS ROAD

(Street)

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

6. Individual or Joint/Group Reporting

(check applicable line)

NEWARK, DE 19702

(City) (State) (Zip)

Form Filed by One Reporting Person
 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 at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|-----------------------------------|
| Class A Non-voting Common Stock | 01/05/2010 | Â | G | 1 A | \$ 18.17 | 5 I | Custodian |
| Class A Non-voting Common Stock | 02/19/2010 | Â | J ⁽¹⁾ | 1 A | \$ 17.834 | 186 I | By Spouse |

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| | | | | | | | | | |
|---------------------------------|------------|---|------------------|---|---|-----------|-----|---|-----------|
| Class A Non-voting Common Stock | 05/21/2010 | Â | J ⁽¹⁾ | 2 | A | \$ 18.282 | 188 | I | By Spouse |
| Class A Non-voting Common Stock | 08/06/2010 | Â | G | 1 | A | \$ 18.23 | 6 | I | Custodian |
| Class A Non-voting Common Stock | 08/20/2010 | Â | J ⁽¹⁾ | 2 | A | \$ 17.75 | 190 | I | By Spouse |
| Class A Non-voting Common Stock | 11/19/2010 | Â | J ⁽¹⁾ | 2 | A | \$ 18.722 | 192 | I | By Spouse |
| Class A Non-voting Common Stock | 12/06/2010 | Â | G | 1 | A | \$ 18.91 | 7 | I | Custodian |

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. of D |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|----------------------------|
| | | | | | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--------------------------------|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |

Taylor Nicholle Renee
664 CHURCHMANS ROAD X Director / Vice President
NEWARK, DE 19702

Signatures

Nicholle R. 01/11/2011
Taylor

 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) aquisition through dividend reinvestment plan

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