

ARTESIAN RESOURCES CORP  
 Form 5  
 January 10, 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 \*  
 DiNunzio Joseph A

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)  
 Exec VP / Corp Secretary

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

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

(City) (State) (Zip)

**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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|---|
|                                 |                                      |  |                                | (A) or (D)  | Amount or Price  |  |   |
| Class A Non-voting Common Stock | 02/19/2010                           | Â  | J <sup>(1)</sup>               | 4 A   | \$ 17.834  | 14,842 D   | Â   |
| Class A Non-voting Common Stock | 05/21/2010                           | Â  | J <sup>(1)</sup>               | 5 A   | \$ 18.282  | 14,847 D   | Â   |



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(1) aquisition through dividend reinvestment plan

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