BIEDERMAN KENNETH R

Form 4

September 20, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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SECURITIES

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

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).

Common Stock

(Print or Type Responses)

	(- F											
1. Name and Address of Reporting Person * BIEDERMAN KENNETH R				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) 140 HAMPTON LAKE DRIVE			3. Date of Earliest Transaction (Month/Day/Year) 09/16/2010					-	X Director 10% Owner Officer (give title below) Other (specify below)				
(Street) BLUFFTON, SC 29910				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			
(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned											ly Owned		
	1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year) Execut any (Month			omed 3. 4. Securities Acquired on Date, if Transaction(A) or Disposed of (D Code (Instr. 3, 4 and 5) (Day/Year) (Instr. 8)				d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
	Class A Non-voting Common Stock	09/16/2010)			X		150	A	\$ 9.76	15,025	D	
	Class A Non-voting Common Stock	09/16/2010)			S		150	D	\$ 18.25	14,875	D	
	Class A Non-voting Common	09/17/2010				X		50	A	\$ 9.76	14,925	D	

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Class A

\$ 18.25 14,875 Non-voting 09/17/2010 S 50 D Common Stock

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. Transacti Code (Instr. 8)	Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amor or Numl of Share
Non-qualified Stock Option (Right to Buy)	\$ 9.76	09/16/2010		X		150	05/30/2001	05/30/2011	Class A Non-voting Common Stock	15
Non-qualified Stock Option (Right to Buy)	\$ 9.76	09/17/2010		X		50	05/30/2001	05/30/2011	Class A Non-voting Common Stock	50

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
BIEDERMAN KENNETH R 140 HAMPTON LAKE DRIVE BLUFFTON, SC 29910	X							

2 Reporting Owners

Signatures

Kenneth R.

Biederman 09/20/2010

**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).

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.

Signatures 3