THAEDER JOHN Form 5 January 28, 2010	I M								
FORM 5				OMB AF	PROVAL				
Check this box if no longer subject to Section 16.		E COMMISSION	OMB Number: Expires: Estimated a	3235-0362 January 31, 2005 average					
Form 4 or Form ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Estimated average 5 obligations OWNERSHIP OF SECURITIES burden hours per may continue. See Instruction 1(b). Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Transactions Reported Sol(h) of the Investment Company Act of 1940									
1. Name and Address THAEDER JOHI		n [*] 2. Issuer Name and Ticker or Trading Symbol ARTESIAN RESOURCES CORP [ARTNA]		Reporting Pers					
(Last) (I	First) (Middl	 3. Statement for Issuer's Fiscal Year Endec (Month/Day/Year) 12/31/2009 	Officer (give below)		Owner rr (specify ns				
(3	treet)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joi (check	applicable line)	-				

KENNETT SQUARE, PAÂ 19348

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

(City)	(State) (Zij	p) Table I	- Non-Deriva	tive Secur	ities A	Acquire	ed, Disposed of,	or Beneficiall	y 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. Securi Acquired Disposed (Instr. 3, Amount	l (A) of l of (D 4 and (A) or)	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)
Class A Non-Voting Common Stock	12/31/2009	Â	J	804	A	\$ <u>(1)</u>	7,900	Ι	401k plan
Class A Non-Voting Common Stock	Â	Â	Â	Â	Â	Â	16,786	D	Â

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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)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Secur	int of rlying	8. Price of Derivative Security (Instr. 5)	
				(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address		Relationships							
r e	Director	10% Owner	Officer	Other					
THAEDER JOHN M 757 MEADOWBANK RD KENNETT SQUARE, PA 19348	Â	Â	Senior VP of Operations	Â					
Signatures									
John M. Thaeder 01/28/20	10								
<u>**</u> 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) Reporting balance of Artesian stock held in 401K plan which was acquired through employee payroll deferrals

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.