Newtown Artesian Water Company

Incorporated July 3, 1888 P.O. Box 217 • 201 N. Lincoln Ave. • Newtown, Pennsylvania 18940-0217 Phone # 215-968-6781 • Fax 215-968-8966

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APR 21 2015

April 21, 2015 PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

M-2015-2464293

Rosemary Chiavetta, Secretary Pennsylvania Public Utility Commission 400 North St. P.O. Box 3265 Harrisburg, Pa 17105-3265

Re: Docket No. M-2008-2062697

Dear Secretary Chiavetta:

Enclosed please find the Annual Water Audit for 2014.

If you need any additional information, please feel free to call.

Sincerely,

George A. Forsyth, Jr.

General Manager

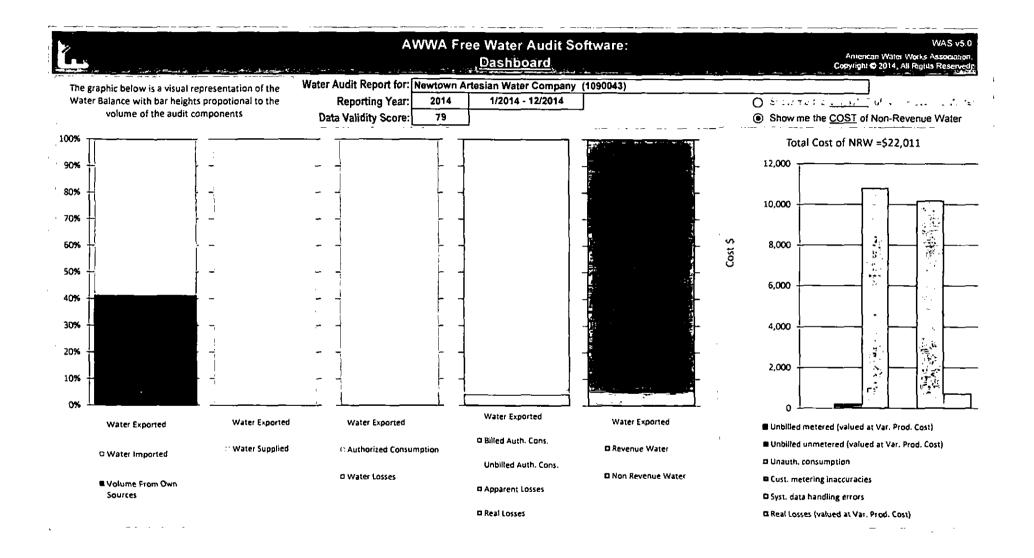
Encl.

GAF/nf

		e Water Audit S orting:Workshe		Andrew Andrews and the second	WAS V5 0 American Water Works Associatio Copyright 2014, As Rights Reserve
Click to access definition Click to add a comment	Water Audit Report for: Newtown Art Reporting Year: 2014	teslan Water Company 1/2014 - 12/2014	(1090043)		
	balaw, Where available, matered values should be used; if r int (n/a or 1-10) using the drop-down list to the left of the inp				rice in the accuracy of the
	All volumes to be ente		LONS (US) PEF	RYEAR	
	i the correct data grading for each input, determine the the utility meets or exceeds <u>all</u> criteria for that grade a			Master Meter and	Supply Error Adjustments
WATER SUPPLIED		Enter grading	in column 'E' and		Value:
	Volume from own sources: ? 10 Water imported; ? 7 10	321.894 455.831	MG/Yr MG/Yr	• 2 10 1.15% (
	Water exported: 7 n/a	0 000	MG/Yr		O MGryr
	WATER SUPPLIED:	768.883	MG/Yr	_	or value for under-registration or value for over-registration
AUTHORIZED CONSUMPTION					Click here:
	Billed matered: 7 6 Billed unmetered: 7 10	724,880 0,000			for help using option buttons below
	Unbilled matered: 2 6		MG/Yr	Pont:	Value:
	Unbilled unmetered;	9,611	MG/Yr	1.25%	 ,,
Oe.	fault option selected for Unbilled unmetered • a gra	eding of 5 is applied to	ut not displaye	ıd 🛔	<u> </u>
	AUTHORIZED CONSUMPTION:	734.491	MG/Yr	l.	Use buttens to select percentage of water supplied
IMATER LOSSES (Mater Suppl)		24 202	11004		QB value
WATER LOSSES (Water Suppli Apparent Losses	ed - Authorizeo Consumption)	34.392	MOTT	Pant:	▼ Value;
Opparatit Cossas	Unauthorized consumption;	1,922	MG/Yr	0 25%	
Default o	ption selected for unauthorized consumption - a g	rading of 6 is applied	but not display		
	Customer metering inaccuracies: 2 7		MG/Yr	0.25% @	
Dafau	Systematic data handling errors: It option selected for Systematic data handling err		MG/Yr		MG/Yr
50,000	Apparent Losses:	· · · · · · · · · · · · · · · · · · ·	MG/Yr		and the second second
Real Losses (Current Annual R				RECE.	IVED
	■ Water Losses - Apparent Losses: ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	30.657	MG/Y/		
	WATER LOSSES:	34.392	MG/Yr		
NON-REVENUE WATER	NON-REVENUE WATER: 2	44.003	MG/Yr	APR 2	1 2015
= Water Losses + Unb#ed Melered	Unbilled Unmetered			PA PUBLIC UTILIT	Y-COMMISSION
SYSTEM DATA			•	SECRETARY'S	
Number of <u>ac</u>	Length of mains: 2 8 live AND inactive service connections: 2 6 Service connection density: 7	129.5 10,165 79	conn /mle ma:n	SECKE MINT	
	cated at the curbstop or property line?	No		of service line, <u>beyorld</u> the property	
Δ:	rerage length of customer service line: 2 7	65.0 76.0		ry, that is the responsibility of the u	tunty}
	Average operating pressure: 2 10		pa		
COST DATA					
	annual cost of operating water system:		\$/Year_		
	unit cost (applied to Apparent Losses):		S/1000 gallons S/Million gallons	(US) Use Customer Retail Unit Cost t	La value peri lerrer
vanabio pic	eduction cost (applied to Real Losses).	324.50	MANUSCA PRINCIPA	Owe Cottonies were a plut cost of	W FORCE TEST NO SPECT
WATER AUDIT DATA VALIDITY S	CORE:				
-	*** YOUR SCOR	RE IS: 79 out of 100 ""	·		
A wo	ighted scale for the components of consumption and water	loss is included in the cal	cutation of the Wa	ater Audit Data Validity Score	
PRIORITY AREAS FOR ATTENTION					
	eudit accuracy can be improved by addressing the following	components:			
1: Billiod motorod					
2: Unauthorized consumption					
3: Systematic data handling em	ora				
at a later until della tratiquità dil					

	AWWA Free Water Audit Sc	
	System.Attributes and i Performan	American Water Works Association. Copyright © 2014, All Rights Reserved.
	Water Audit Report for: Newtown Artesian Water Company Reporting Year: 2014 1/2014 - 12/2014	y (1090043)
System Attributes:	*** YOUR WATER AUDIT DATA VALIDITY SCORE	IS: 79 out of 100 ***
System Auributes.	Apparent Losses: + Real Losses:	3.734 MG/Yr 30.657 MG/Yr
	= Water Losses:	34.392 MG/Yr
	Unavoidable Annual Real Losses (UARL):	87.76]MG/Yr
	Annual cost of Apparent Losses:	\$21,025
	Annual cost of Real Losses:	S751 Valued at Variable Production Cost
Performance Indicators:		Return to Reporting Worksheet to change this assumption
renormance mulcators.	Non-revenue water as percent by volume of Water Supplied:	5.7%
Financial:	Non-revenue water as percent by cost of operating system:	1.1% Real Losses valued at Variable Production Cost
_		
	Apparent Losses per service connection per day:	1.01 gallons/connection/day
Operational Efficiency:	Real Losses per service connection per day:	8.26 gallons/connection/day
operational Existency.	Real Losses per length of main per day*:	N/A
	Real Losses per service connection per day per psi pressure:	0.11 gallons/connection/day/psi
	From Above, Real Losses = Current Annual Real Losses (CARL):	30.66 million gallons/year
	infrastructure Leakage Index (ILI) [CARL/UARL]:	0.35
* This performance indicator applies fo	r systems with a low service connection density of less than 32 service	connections/mile of pipeline

E		AW	WA Free Wa	ter Audit Software: <u>Wate</u>	er Balance	WAS v5.0
	Si		Alle Commence		Ameno	an Water Works Association.
				Newtown Artesian Water Company (1		
			Reporting Year:	2014	1/2014 - 12/2014	
			Data Validity Score:	79		
		Water Exported 0.000			Billed Water Exported	Revenue Water 0.000
				Billed Authorized Consumption	Billed Metered Consumption (water exported is removed)	Revenue Water
Own Sources (Adjusted for known errors)		Authorized Consumption	724.880	724.880 Billed Unmetered Consumption	724.880	
		734.491	734.491	Unbilled Authorized Consumption	Unbilled Metered Consumption	Non-Revenue Water (NRW)
318.234				9.611	Unbilled Unmetered Consumption 9.611	, ,
	System Input 768.883	Water Supplied		Apparent Losses	Unauthorized Consumption	44.003
	768.883 Water Losse		3.734	Customer Metering Inaccuracies 0.000		
		Water Losses		Systematic Data Handling Errors		
Water Imported			34.392	Real Losses	Leakage on Transmission and/or Distribution Mains	
450.649			30.657	Not broken down Leakage and Overflows at Utility's Storage Tanks Not broken down		
					Leakage on Service Connections Not broken down	



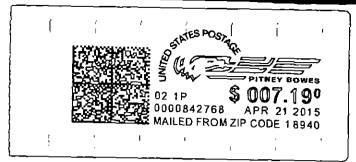


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NEWTOWN ARTESIAN WATER CO.

P.O. Box 217 Newtown, PA 18940-0217

ROSEMARY CHIAVETTA, SECRETARY PA. P.U.C.
400 NORTH ST.
P.O. BOX 3265
HARRISBURG, PA 17105-3265



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