

Aqua North Carolina
Docket No. W-218, Sub 526
Test Year Ending September 30, 2019

Darden
Exhibit No. 1
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Sludge Hauling Expense

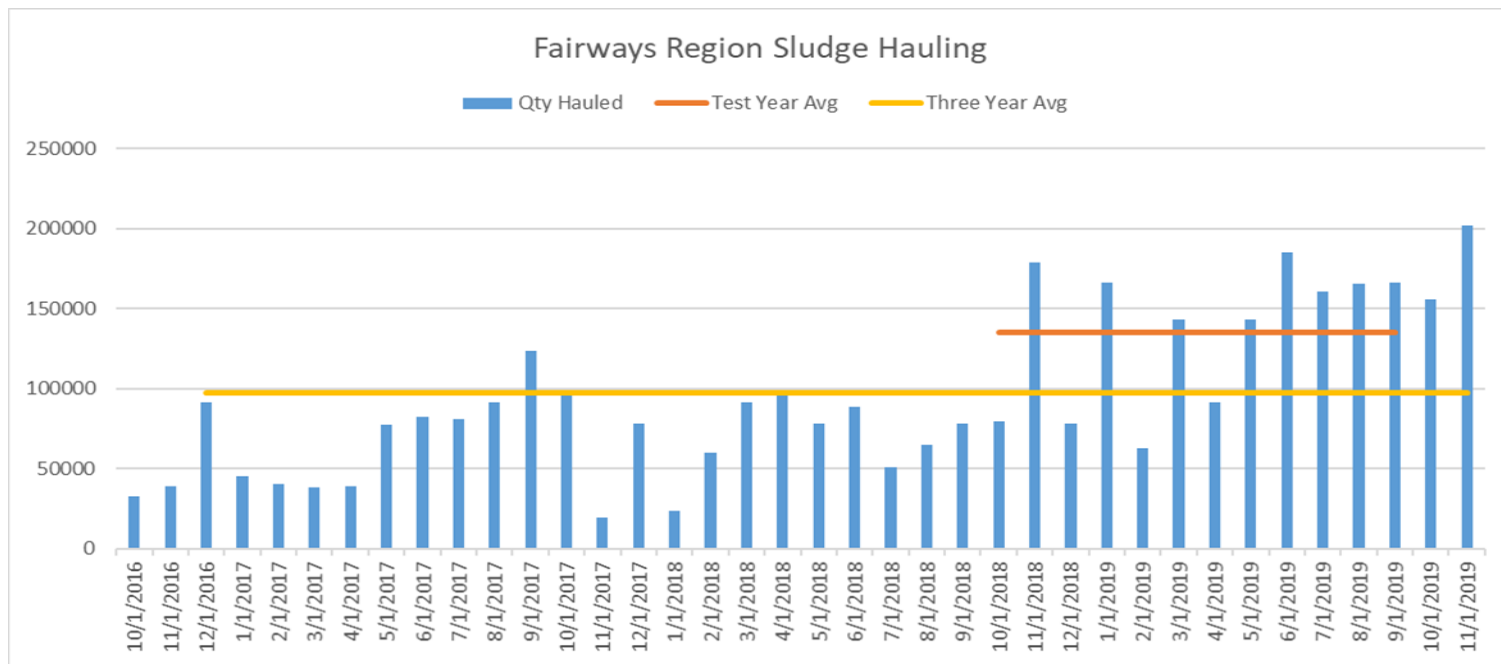
<u>Region</u>	<u>Average</u>	<u>Dates</u>	<u>Avg Monthly Qty Hauled (gallons)</u>	<u>Cost/Month¹</u>	<u>Avg Cost/Year</u>
Central ²	3 Yr	12/16-11/19	416,091	\$35,368	\$424,413
Denver	3 Yr	12/16-11/19	52,854	\$7,070	\$84,837
Kernersville	3 Yr	12/16-11/19	33,711	\$3,430	\$41,161
Fayetteville	3 Yr	12/16-11/19	8,996	\$900	\$10,795
Wilmington	3 Yr	12/16-11/19	23,042	\$2,419	\$29,033
TOTAL ANC	3 Yr	12/16-11/19	534,694	\$49,187	\$590,239
FAIRWAYS	3 Yr	12/16-11/19	97,625	\$10,251	\$123,007.56
	Test Yr	10/18-9/19	134,917	\$14,166	\$169,995

Notes:

1. Denver and Kernersville regions pricing based on % of test year pricing for different vendor pricing in region.
2. Updated with The Legacy & Westfall WWTP amounts

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Jetting/Pump Maintenance Adjustment for Contract Services - Other

ANC	<u>Gravity</u> <u>Sewer (ft)</u>	<u>100%</u> <u>Systems (ft)</u>	<u>TY Jetted</u> <u>Length¹</u>	<u>TY Jetted</u> <u>Cost¹</u>	<u>TY %</u>	<u>Calculated</u> <u>Jet Goal²</u>	<u>Jet</u> <u>Goal %</u>	<u>Average</u> <u>Unit Cost³</u>	<u>Goal Cost</u>	<u>Sewer Line</u> <u>Maintenance⁴</u>	<u>Total</u> <u>Expense⁵</u>
Central	375,330	19,010	69,848	\$69,090	19%	54,642	15%	\$0.99	\$54,096	\$975	\$55,071
Denver	193,171	13,855	37,283	\$37,283	19%	31,787	16%	\$1.00	\$31,787	\$2,520	\$34,307
Kernersville	242,649	7,441	29,873	\$29,873	12%	30,962	13%	\$1.00	\$30,962		\$30,962
Fayetteville	74,000	0	10,739	\$10,202	15%	7,400	10%	\$0.95	\$7,030		\$7,030
Wilmington	57,128	3,950	10,885	\$11,093	19%	9,268	16%	\$1.02	\$9,453	\$2,232	\$11,685
			Total:	\$157,541				Total:	\$133,327	\$5,727	\$139,054
<u>Coastal</u>											
Fairways	144,723	0	29,762	\$32,279	21%	14,472	10%	\$1.08	\$15,630	\$16,639	\$32,269
<u>Total NC</u>	1,087,001	44,256	188,390	\$189,820	17%	148,530	14%		\$148,957	\$22,366	\$171,323

Notes:

1. Amounts provided by Aqua in Jetting Log as response to DR 83 Q2.
2. Calculated Jet Goal = 10% of Gravity Sewer Length (ft) + 100% System Length (ft)
3. Average Unit Cost = TY Jetted Cost/TY Jetted Length
4. Sewer Line Maintenance determined based on Aqua's response to DR 83 Q4.
5. Total Expense = Jetting Goal Cost + Sewer Line Maintenance

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Wastewater Lab Testing Expenses

Region: Central Area - ANC				
	Compliance Testing	Sludge Analysis	Process Samples	Lab Testing
Name of Facility	\$/Month	(Annual)	(Annual)	\$/Year
Avocet	\$272.37	\$339.00	\$580.00	\$4,187.40
Barclay Downs	\$278.20	\$339.00	\$580.00	\$4,257.40
Beachwood	\$379.70	\$339.00	\$580.00	\$5,475.40
Briarwood Farms	\$320.70	\$339.00	\$580.00	\$4,428.40
Carolina Meadows	\$515.40	\$339.00	\$840.00	\$7,024.80
Chapel Ridge	\$665.40	\$339.00	\$580.00	\$8,903.80
Cole Park Plaza	\$544.90	\$339.00	\$1,516.00	\$8,393.80
Colvard Farms	\$144.00	\$339.00	\$580.00	\$2,647.00
Crooked Creek	\$371.70	\$339.00	\$340.00	\$5,139.40
Cross Creek MHP	\$510.00	\$339.00	\$340.00	\$6,799.00
Governors Club	\$622.68	\$339.00	\$580.00	\$8,391.16
Hassentree	\$645.36	\$339.00	\$580.00	\$8,663.32
Hawthorne	\$371.70	\$339.00	\$764.00	\$5,563.40
Lake Ridge Aero	\$320.70	\$339.00	\$580.00	\$4,767.40
Mallard Crossing	\$529.11	\$339.00	\$580.00	\$7,268.32
Neuse Colony	\$1,049.20	\$339.00	\$1,092.00	\$14,021.40
Neuse River Village	\$312.70	\$339.00	\$580.00	\$4,671.40
Tradewinds	\$371.70	\$339.00	\$360.00	\$5,159.40
The Legacy	\$101.00	\$339.00	\$220.00	\$1,771.00
Preserve at Jordan	\$131.75	\$339.00	\$580.00	\$2,500.00
Westfall	\$524.67	\$339.00	\$580.00	\$7,215.00
Wildwood Green	\$490.07	\$339.00	\$720.00	\$6,939.80
WW Testing at Water Sites				\$3,469.15
Totals	\$8,847.33	\$7,458.00	\$13,732.00	\$130,827.15

Region: Coastal - ANC				
	Lab Testing	Sludge Analysis	Process Samples	Lab Testing
Name of Facility	\$/Month	(Annual)	(Annual)	\$/Year
Avendale	\$201.15	\$357.00	\$253.00	\$3,023.80
Castlebay	\$310.65	\$357.00	\$609.00	\$4,693.80
Cannonsgate	\$1,121.75	\$357.00	\$65.00	\$13,882.96
Emerald Plantation	\$287.50		\$768.00	\$4,218.00
Grand Villas	\$172.50		\$508.00	\$2,578.00
Sterling Farms	\$473.71	\$357.00	\$508.00	\$6,549.52
Monthly Pick Up Fee ²	\$130.00			\$1,560.00
Totals	\$2,697.26	\$1,428.00	\$2,711.00	\$36,506.08

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Wastewater Lab Testing Expenses

Region: Denver - ANC				
Name of Facility	Lab Testing \$/Month	Sludge Analysis (Annual)	Process Samples (Annual)	Lab Testing \$/Year
Alexander Island	\$164.91	\$339.00	\$423.20	\$2,741.06
Bridgeport	\$164.91	\$339.00	\$292.80	\$2,610.66
Brights Creek	\$260.00	\$339.00	\$214.80	\$3,673.80
Country Valley	\$264.35	\$339.00	\$345.20	\$3,856.34
Country Woods East	\$631.40	\$339.00	\$1,045.20	\$8,961.00
Diamond Head	\$421.32	\$339.00	\$1,041.60	\$6,436.38
Harbor Estates	\$421.32	\$339.00	\$345.20	\$5,739.98
Killians	\$249.91	\$339.00	\$448.80	\$3,786.66
Mallard Head	\$164.91	\$339.00	\$341.60	\$2,659.46
Pine Valley	\$163.40	\$339.00	\$345.20	\$2,645.00
River Park (Hwy 150)	\$298.90	\$339.00	\$645.20	\$4,571.00
Spinnaker Bay	\$140.99	\$339.00	\$345.20	\$2,376.02
Willowbrook	\$140.99	\$339.00	\$345.20	\$2,376.02
Windemere	\$163.40	\$339.00	\$345.20	\$2,645.00
Pickup Fee (monthly)	\$260.00			\$3,120.00
Totals	\$3,910.67	\$4,746.00	\$6,524.40	\$58,198.38

Region: Kernersville - ANC				
Name of Facility	Lab Testing \$/Month	Sludge Analysis (Annual)	Process Samples (Annual)	Lab Testing \$/Year
Briarwood	\$222.24	\$339.00	\$391.20	\$3,397.02
Forest Ridge	\$174.91	\$339.00	\$391.20	\$2,829.06
Frye Bridge	\$174.91	\$339.00	\$391.20	\$2,829.06
Greystone	\$256.32	\$339.00	\$391.20	\$3,806.06
Melbille Heights	\$174.91	\$339.00	\$391.20	\$2,829.06
Mikkola Hts	\$174.91	\$339.00	\$391.20	\$2,829.06
Olde Beau	\$356.26	\$339.00	\$391.20	\$5,005.26
Penman Heights	\$140.99	\$339.00	\$391.20	\$2,422.02
Salem Glen	\$150.99	\$339.00	\$391.20	\$2,542.02
Salem Quarters	\$174.91	\$339.00	\$391.20	\$2,829.06
Spring Creek	\$174.91	\$339.00	\$391.20	\$2,829.06
Willow Creek	\$204.91	\$339.00	\$391.20	\$3,189.06
Wellesley Place	\$174.91	\$339.00	\$391.20	\$2,829.06
Pickup fee (monthly)	\$325.00			\$3,900.00
WW Testing at Water Sites				\$4,452.00
Totals	\$2,881.02	\$4,407.00	\$5,085.60	\$48,516.86

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Wastewater Lab Testing Expenses

Region:	<u>Fayetteville - ANC</u>			
	Lab Testing	Sludge Analysis	Process Samples	Lab Testing
Name of Facility	\$/Month	(Annual)	(Annual)	\$/Year
Woodlake	\$438.81	\$1,000.00	\$1,080.00	\$7,345.72
Totals	\$438.81	\$1,000.00	\$1,080.00	\$7,345.72

Region:	<u>Fairways</u>			
	Lab Testing	Sludge Analysis	Process Samples	Lab Testing
Name of Facility	\$/Month	(Annual)	(Annual)	\$/Year
Beau Rivage	\$426.00	\$357.00	\$1,697.00	\$7,166.00
The Cape	\$391.50	\$357.00	\$67.00	\$5,122.00
Monthly Pick Up Fee ²	\$130.00			\$1,560.00
Totals	\$947.50	\$714.00	\$1,764.00	\$13,848.00

2. Monthly Pick Up Fee split between Coastal - ANC & Fairways

Grand Total:	Annual Amount
ANC Sewer	\$281,394
Fairways Sewer	\$13,848

AWWA Free Water Audit Software v5.0

American Water Works Association Copyright © 2011. All Rights Reserved.

This spreadsheet-based water audit tool is designed to help quantify and track water losses associated with water distribution systems and identify areas for improved efficiency and cost recovery. It provides a "top-down" summary water audit format, and is not meant to take the place of a full-scale, comprehensive water audit format.

Auditors are strongly encouraged to refer to the most current edition of AWWA M36 Manual for Water Audits for detailed guidance on the water auditing process and targetting loss reduction levels

The spreadsheet contains several separate worksheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons below.

Please begin by providing the following information

Name of Contact Person:	Julie Black		
Email Address:	JABlack@aquaaamerica.com		
Telephone Ext.:	610-645-1132		
Name of City / Utility:	Aqua America		
City/Town/Municipality:	Twin Creeks		
State / Province:	North Carolina (NC)		
Country:			
Year:	2018	Calendar Year	
Start Date:	Enter MM/DD/YYYY numeric format		
End Date:	Enter MM/DD/YYYY numeric format		
Audit Preparation Date:	6/27/2019		
Volume Reporting Units:	Million gallons (US)		
PWSID / Other ID:	Asheville Twin Creeks - NC0111		

The following guidance will help you complete the Audit

All audit data are entered on the **Reporting Worksheet**

	Value can be entered by user
	Value calculated based on input data
	These cells contain recommended default values

Use of Option (Radio) Buttons: Pcnt: 0.25% Value:

Select the default percentage by choosing the option button on the left

To enter a value, choose this button and enter a value in the cell to the right

The following worksheets are available by clicking the buttons below or selecting the tabs along the bottom of the page

Instructions

The current sheet.
Enter contact information and basic audit details (year, units etc)

Reporting Worksheet

Enter the required data on this worksheet to calculate the water balance and data grading

Comments

Enter comments to explain how values were calculated or to document data sources

Performance Indicators

Review the performance indicators to evaluate the results of the audit

Water Balance

The values entered in the Reporting Worksheet are used to populate the Water Balance

Dashboard

A graphical summary of the water balance and Non-Revenue Water components

Grading Matrix

Presents the possible grading options for each input component of the audit

Service Connection Diagram

Diagrams depicting possible customer service connection line configurations

Definitions

Use this sheet to understand the terms used in the audit process

Loss Control Planning

Use this sheet to interpret the results of the audit validity score and performance indicators

Example Audits



Reporting Worksheet and Performance Indicators examples are shown for two validated audits

Acknowledgements

Acknowledgements for the AWWA Free Water Audit Software v5.0

If you have questions or comments regarding the software please contact us via email at: wlc@awwa.org

AWWA Free Water Audit Software Reporting Worksheet																																							
Click to access definition Click to add a comment		WAS v5.0 <small>American Water Works Association Copyright © 2017 All Rights Reserved</small>																																					
Water Audit Report for: Aqua America (Asheville Twin Creeks - NC0111169) Reporting Year: 2018 1/2018 - 12/2018																																							
Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades																																							
All volumes to be entered as: MILLION GALLONS (US) PER YEAR																																							
To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.																																							
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>WATER SUPPLIED</p> <p style="text-align: center;">← Enter grading in column 'E' and 'J' →</p> <table style="width: 100%;"> <tr> <td>Volume from own sources:</td> <td><input type="text" value="2"/></td> <td>MG/Yr</td> </tr> <tr> <td>Water imported:</td> <td><input type="text" value="2"/></td> <td>1.208 MG/Yr</td> </tr> <tr> <td>Water exported:</td> <td><input type="text"/></td> <td>MG/Yr</td> </tr> </table> <p style="text-align: right;">WATER SUPPLIED: <input type="text" value="1.208"/> MG/Yr</p> </div> <div style="width: 35%;"> <p>Master Meter and Supply Error Adjustments</p> <table style="width: 100%;"> <tr> <th>Pcnt:</th> <th>Value:</th> <th>MG/Yr</th> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table> <p>Enter negative % or value for under-registration Enter positive % or value for over-registration</p> </div> </div>										Volume from own sources:	<input type="text" value="2"/>	MG/Yr	Water imported:	<input type="text" value="2"/>	1.208 MG/Yr	Water exported:	<input type="text"/>	MG/Yr	Pcnt:	Value:	MG/Yr	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>									
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<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>AUTHORIZED CONSUMPTION</p> <table style="width: 100%;"> <tr> <td>Billed metered:</td> <td><input type="text" value="5"/></td> <td>1.07 MG/Yr</td> </tr> <tr> <td>Billed unmetered:</td> <td><input type="text"/></td> <td>MG/Yr</td> </tr> <tr> <td>Unbilled metered:</td> <td><input type="text"/></td> <td>0.000 MG/Yr</td> </tr> <tr> <td>Unbilled unmetered:</td> <td><input type="text" value="7"/></td> <td>0.015 MG/Yr</td> </tr> </table> <p>Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed</p> <p>AUTHORIZED CONSUMPTION: <input type="text" value="1.085"/> MG/Yr</p> </div> <div style="width: 35%;"> <p>Click here: for help using option buttons below</p> <table style="width: 100%;"> <tr> <th>Pcnt:</th> <th>Value:</th> <th>MG/Yr</th> </tr> <tr> <td><input type="text" value="1.25%"/></td> <td><input checked="" type="radio"/></td> <td><input type="text"/></td> </tr> </table> <p>Use buttons to select percentage of water supplied OR value</p> <table style="width: 100%;"> <tr> <th>Pcnt:</th> <th>Value:</th> <th>MG/Yr</th> </tr> <tr> <td><input type="text" value="0.25%"/></td> <td><input checked="" type="radio"/></td> <td><input type="text"/></td> </tr> <tr> <td><input type="text" value="3.00%"/></td> <td><input type="radio"/></td> <td><input type="text"/></td> </tr> <tr> <td><input type="text" value="0.25%"/></td> <td><input type="radio"/></td> <td><input type="text"/></td> </tr> </table> </div> </div>										Billed metered:	<input type="text" value="5"/>	1.07 MG/Yr	Billed unmetered:	<input type="text"/>	MG/Yr	Unbilled metered:	<input type="text"/>	0.000 MG/Yr	Unbilled unmetered:	<input type="text" value="7"/>	0.015 MG/Yr	Pcnt:	Value:	MG/Yr	<input type="text" value="1.25%"/>	<input checked="" type="radio"/>	<input type="text"/>	Pcnt:	Value:	MG/Yr	<input type="text" value="0.25%"/>	<input checked="" type="radio"/>	<input type="text"/>	<input type="text" value="3.00%"/>	<input type="radio"/>	<input type="text"/>	<input type="text" value="0.25%"/>	<input type="radio"/>	<input type="text"/>
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<p>WATER LOSSES (Water Supplied - Authorized Consumption) <input type="text" value="0.123"/> MG/Yr</p> <p>Apparent Losses</p> <p>Unauthorized consumption: <input type="text" value="0.003"/> MG/Yr</p> <p>Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed</p> <p>Customer metering inaccuracies: <input type="text" value="6"/> <input type="text" value="0.033"/> MG/Yr</p> <p>Systematic data handling errors: <input type="text" value="7"/> <input type="text" value="0.003"/> MG/Yr</p> <p>Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed</p> <p>Apparent Losses: <input type="text" value="0.039"/> MG/Yr</p>																																							
<p>Real Losses (Current Annual Real Losses or CARL)</p> <p>Real Losses = Water Losses - Apparent Losses: <input type="text" value="0.084"/> MG/Yr</p> <p>WATER LOSSES: <input type="text" value="0.123"/> MG/Yr</p>																																							
<p>NON-REVENUE WATER</p> <p>NON-REVENUE WATER: <input type="text" value="0.138"/> MG/Yr</p> <p>= Water Losses + Unbilled Metered + Unbilled Unmetered</p>																																							
<p>SYSTEM DATA</p> <p>Length of mains: <input type="text" value="8"/> <input type="text" value="0.9"/> miles</p> <p>Number of <u>active AND inactive</u> service connections: <input type="text" value="8"/> <input type="text" value="27"/></p> <p>Service connection density: <input type="text" value="30"/> conn./mile main</p> <p>Are customer meters typically located at the curbside or property line? <input checked="" type="radio"/> Yes (length of service line, beyond the property boundary, that is the responsibility of the utility)</p> <p>Average length of customer service line: <input type="text" value="55.0"/> (length of service line, beyond the property boundary, that is the responsibility of the utility)</p> <p>Average length of customer service line has been set to zero and a data grading score of 10 has been applied</p> <p>Average operating pressure: <input type="text" value="2"/> <input type="text" value="55.0"/> psi</p>																																							
<p>COST DATA</p> <p>Total annual cost of operating water system: <input type="text" value="7"/> <input type="text" value="\$7,536"/> \$/Year</p> <p>Customer retail unit cost (applied to Apparent Losses): <input type="text" value="10"/> <input type="text" value="\$4.26"/> \$/1000 gallons (US)</p> <p>Variable production cost (applied to Real Losses): <input type="text" value="10"/> <input type="text" value="\$4,260.00"/> \$/Million gallons <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses</p> <p>Retail costs are less than (or equal to) production costs; please review and correct if necessary</p>																																							
<p>WATER AUDIT DATA VALIDITY SCORE:</p> <p style="text-align: center;">*** YOUR SCORE IS: 53 out of 100 ***</p> <p>A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score</p>																																							
<p>PRIORITY AREAS FOR ATTENTION:</p> <p>Based on the information provided, audit accuracy can be improved by addressing the following components:</p> <ol style="list-style-type: none"> 1: Water imported 2: Billed metered 3: Customer metering inaccuracies 																																							

AWWA Free Water Audit Software: System Attributes and Performance Indicators		WAS v5.0 American Water Works Association Copyright © 2014. All Rights Reserved
Water Audit Report for: Aqua America (Asheville Twin Creeks - NC0111169)		
Reporting Year: 2018 1/2018 - 12/2018		
*** YOUR WATER AUDIT DATA VALIDITY SCORE IS: 53 out of 100 ***		
System Attributes:		
Apparent Losses:		0.039 MG/Yr
+	Real Losses:	0.084 MG/Yr
=	Water Losses:	0.123 MG/Yr
	Unavoidable Annual Real Losses (UARL):	See limits in definition MG/Yr
Annual cost of Apparent Losses:		\$165
Annual cost of Real Losses:		\$358
		Valued at Variable Production Cost
Return to Reporting Worksheet to change this assumption		
Performance Indicators:		
Financial:	Non-revenue water as percent by volume of Water Supplied:	11.4%
	Non-revenue water as percent by cost of operating system:	7.8% Real Losses valued at Variable Production Cost
Operational Efficiency:	Apparent Losses per service connection per day:	3.94 gallons/connection/day
	Real Losses per service connection per day:	N/A gallons/connection/day
	Real Losses per length of main per day*:	256.05 gallons/mile/day
	Real Losses per service connection per day per psi pressure:	N/A gallons/connection/day/psi
From Above, Real Losses = Current Annual Real Losses (CARL):		0.08 million gallons/year
	Infrastructure Leakage Index (ILI) [CARL/UARL]:	
* This performance indicator applies for systems with a low service connection density of less than 32 service connections/mile of pipeline		

Aqua North Carolina
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AWWA Free Water Audit Software: Water Balance

WAS v5.0
American Water Works Association

Water Audit Report for:

Aqua America (Asheville Twin Creeks - NC0111169)

Reporting Year:

2018

1/2018 - 12/2018

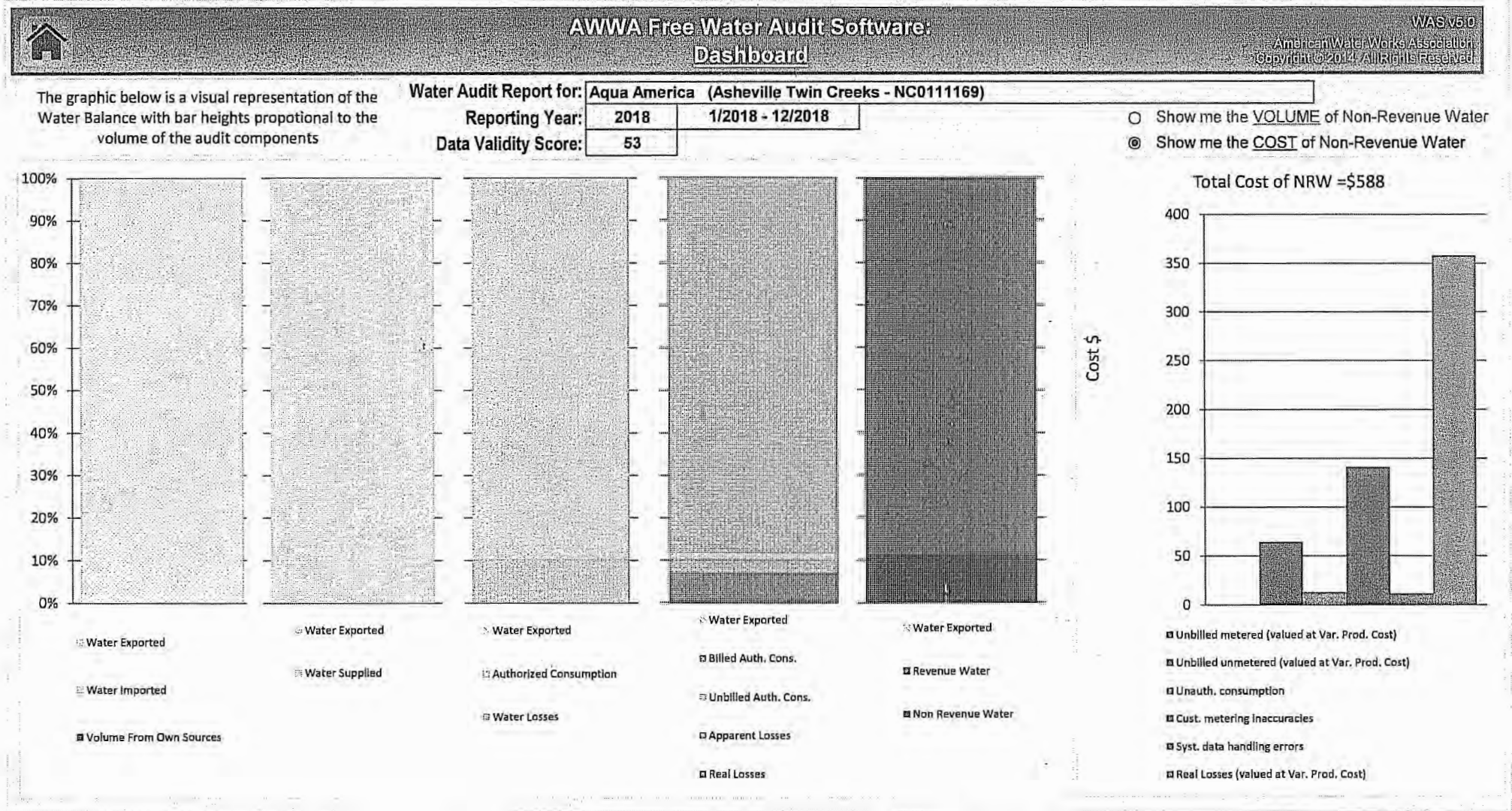
Data Validity Score:

53

Own Sources (Adjusted for known errors)	System Input	Water Exported	Billed Water Exported				Revenue Water	
		0.000		Billed Authorized Consumption	Billed Metered Consumption (water exported is removed)	0.000		
0.000	1.208	Water Supplied	Authorized Consumption	1.070	1.070	Revenue Water		
				Billed Unmetered Consumption	0.000			
			Water Losses	Unbilled Authorized Consumption	0.015	Unbilled Metered Consumption	0.000	Non-Revenue Water (NRW)
				Unbilled Unmetered Consumption	0.015			
Water Imported			Apparent Losses	0.039	Unauthorized Consumption	0.003	0.138	
				Customer Metering Inaccuracies	0.033			
				Systematic Data Handling Errors	0.003			
			Real Losses	0.084	Leakage on Transmission and/or Distribution Mains	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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Test Year Ending September 30, 2019

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Purchased Water Adjustment for Current Rates

Rate Entity	Region	Bulk Provider	Total Gallons Purchased	Total Gallons Sold	Loss (gallons)	Actual Loss (%)	P.S. ¹ Allowable Loss (%)	Loss at 15% (gallons)	Sold Plus 15% Loss (gallons)	Total Expense
ANC	Cary	Chatham Co Utilities	21,293,000	18,937,700	2,355,300	11.06				\$ 170,324.00
ANC	Cary	Johnston County	213,666,120	194,060,000	19,606,120	9.18				\$ 572,215.22
ANC	Cary	Town of Fuquay Varina	3,093,100	2,945,000	148,100	4.79				\$ 16,114.09
ANC	Cary	Town of Pittsboro	32,565,000	25,348,500	7,216,500	22.16	15	4,473,265	29,821,765	\$ 407,663.52
ANC	Cary	Warren County	485,000	452,700	32,300	6.66				\$ 2,725.00
ANC	Denver	Charlotte-Mecklenburg	35,873,486	34,711,200	1,162,286	3.24				\$ 103,962.44
ANC	Denver	City of Asheville	1,303,851	964,300	339,551	26.04	15	170,171	1,134,471	\$ 6,818.51
ANC	Denver	City of Belmont	4,653,500	3,962,400	691,100	14.85				\$ 61,483.87
ANC	Denver	City of Concord	3,438,000	2,048,100	1,389,900	40.43	15	361,429	2,409,529	\$ 13,259.47
ANC	Denver	City of Gastonia	8,988,200	8,455,200	533,000	5.93				\$ 59,818.81
ANC	Denver	City of Hickory	5,029,492	3,821,200	1,208,292	24.02	15	674,329	4,495,529	\$ 28,288.20
ANC	Denver	City of Lincolnton*	2,879,140	5,716,500						\$ 26,877.69
ANC	Denver	City of Morganton	5,831,280	4,894,100	937,180	16.07	15	863,665	5,757,765	\$ 15,795.85
ANC	Denver	City of Newton	1,116,500	783,000	333,500	29.87	15	138,176	921,176	\$ 3,233.50
ANC	Denver	Hendersonville Water	12,289,500	9,329,600	2,959,900	24.08	15	1,646,400	10,976,000	\$ 38,805.24
ANC	Denver	Iredell Water Corp	1,144,000	1,022,600	121,400	10.61				\$ 4,491.20
ANC	Denver	Iredell Water Corp*	100	4,800,900						\$ 144.38
ANC	Denver	Lincoln County*	704,470	2,651,700						\$ 4,556.75
ANC	Denver	Town of Forest City	2,468,800	1,911,400	557,400	22.58	15	337,306	2,248,706	\$ 12,847.27
ANC	Denver	Town of Forest City*	-	4,214,900						\$ -
ANC	Denver	Town of Harrisburg*	147,000	1,430,900						\$ 1,257.02
ANC	Denver	Town of Mooresville*	9,153,100	11,474,300						\$ 18,629.46
ANC	Denver	Town of Spruce Pines	2,433,000	1,814,400	618,600	25.43	15	320,188	2,134,588	\$ 13,030.08
ANC	Fayetteville	Harnett County Utilities	39,508,640	35,104,000	4,404,640	11.15				\$ 109,438.93

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Purchased Water Adjustment for Current Rates

Rate Entity	Region	Bulk Provider	Total Gallons Purchased	Total Gallons Sold	Loss (gallons)	Actual Loss (%)	P.S. ¹ Allowable Loss (%)	Loss at 15% (gallons)	Sold Plus 15% Loss (gallons)	Total Expense
ANC	Kernersville	City of Archdale	1,672,700	1,574,900	97,800	5.85				\$ 16,178.43
ANC	Kernersville	City of Mount Airy	5,365,000	4,001,200	1,363,800	25.42	15	706,094	4,707,294	\$ 37,899.28
ANC	Kernersville	Davidson Water	8,085,140	5,969,100	2,116,040	26.17	15	1,053,371	7,022,471	\$ 41,853.00
Brookwood	Fayetteville	PWC	86,182,550	81,109,100	5,073,450	5.89				\$ 250,989.44
Brookwood	Fayetteville	PWC - Colony Village*	-	3,520,100						\$ 2,578.50
Brookwood	Fayetteville	PWC - Stoney Point*	10	11,202,700						\$ 1,274.34
Brookwood	Fayetteville	Town of Linden	1,818,300	1,834,300	(16,000)	(0.88)				\$ 9,491.53
										\$ 2,052,045.02

Notes:

*Indicates Partial Purchase water system

1. The Public Staff determines an appropriate amount of water loss based on system specific criteria, such as geographical location, unusual circumstances, etc. For the systems shown above, the standard allowable water loss is 15%.