



AWWA Free Water Audit Software: Reporting Worksheet

WAS v5.0
American Water Works Association
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?	Click to access definition
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Water Audit Report for: **Borough of Roosevelt Water Department (1341001)**
 Reporting Year: **2017** 1/2017 - 12/2017

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.

WATER SUPPLIED

Volume from own sources:	+	?	5	29.228	MG/Yr
Water imported:	+	?	n/a	0.000	MG/Yr
Water exported:	+	?	n/a	0.000	MG/Yr

Master Meter and Supply Error Adjustments

Pcnt:	+	?	?	Value:	
	+	?	?	Value:	
	+	?	?	Value:	

Enter negative % or value for under-registration
 Enter positive % or value for over-registration

WATER SUPPLIED: 29.228 MG/Yr

AUTHORIZED CONSUMPTION

Billed metered:	+	?	6	15.846	MG/Yr
Billed unmetered:	+	?	n/a	0.000	MG/Yr
Unbilled metered:	+	?	2	12.000	MG/Yr
Unbilled unmetered:	+	?	?	0.365	MG/Yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: 28.211 MG/Yr

Click here: ?
for help using option buttons below

Pcnt:	+	?	?	Value:	
	+	?	?	Value:	

Use buttons to select percentage of water supplied
OR value

WATER LOSSES (Water Supplied - Authorized Consumption)

1.017 MG/Yr

Apparent Losses

Unauthorized consumption:	+	?	?	0.073	MG/Yr
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Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+	?	6	0.000	MG/Yr
Systematic data handling errors:	+	?	?	0.040	MG/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 0.113 MG/Yr

Pcnt:	+	?	?	Value:	
	+	?	?	Value:	

0.25%	+	?	?	Value:	
0.25%	+	?	?	Value:	

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 0.904 MG/Yr

WATER LOSSES: 1.017 MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: 13.382 MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+	?	5	4.8	miles
Number of <u>active</u> AND <u>inactive</u> service connections:	+	?	7	300	
Service connection density:	?	?	?	63	conn./mile main

Are customer meters typically located at the curbside or property line? No (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line: + ? ? 60.0 ft

Average operating pressure: + ? ? 45.0 psi

COST DATA

Total annual cost of operating water system:	+	?	9	\$314,975	\$/Year
Customer retail unit cost (applied to Apparent Losses):	+	?	5	\$15.50	\$/1000 gallons (US)
Variable production cost (applied to Real Losses):	+	?	5	\$8.00	\$/Million gallons <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 52 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources

2: Unbilled metered

3: Billed metered