

Sustaining the Non-revenue Water Management Program

FINAL ASSESSMENT

The test pool is comprised of 10 to 20 questions, participants receive 10 questions that are randomly selected. They have three tries to pass the test and must have a 70% passing score to be able to print a certificate.

Question 01: Pick One

The leading AWWA guidance manual on water audits and loss control is labelled:

Points	Choices
0	M1
10	M36
0	M50
0	M31

Question 02: Pick One

True or False: Water loss control activities should be carried out by water utilities every year to keep Non-revenue Water in check.

Points	Choices
10	True
0	False

Question 03: Pick One

Water escaping from pressurized pipelines in unintended fashion is known as:

Points	Choices
0	Unauthorized Consumption
0	Unbilled, Unmetered Consumption
10	Real losses, which are usually mostly leakage
0	Systematic Data Handling Error

Question 04: Pick One

The AWWA "WARD" stands for:

Points	Choices
0	World Amateur Radio Day
10	Water Audit Reference Dataset
0	Walking Assistance and Rehabilitation Device

Question 05: Pick One

In a dataset that shows the value of a water audit performance indicators for many water utilities, the median value of the dataset is:

Points	Choices
0	The same as the Average value
0	The maximum value
0	The value for which 90% of the values in the dataset are less
10	The middle value – half of the dataset values are greater than the median and half are less than the median

Question 06: Pick One

True or False: It can be useful for water utilities to compare their key water audit results with validated water audit datasets.

Points	Choices
10	True
0	False

Question 07: Pick One

Which of the below are part of the “Key Concepts” of planning and budgeting for Non-revenue Water management?

Points	Choices
0	Non-revenue Water is always needed
0	Non-revenue Water control activities should be ongoing
0	Non-revenue Water control activities should be in each year’s budget
0	It’s important to take a long-term outlook: think 5-10 years into the future
10	All of the above

Question 08: Pick One

A Gantt chart is used to:

Points	Choices
0	Display the annual volumes of water supplied, consumed, and lost in columns that balance
0	Plot daily production volumes
10	Plan activities in a timeline of weeks, months, or years
0	Schedule leak detection staff

Question 09: Pick One

In setting loss reduction targets, it is best to:

Points	Choices
0	Strive to reach your target level within the first year of loss control activity
10	Set incremental reduction goals for each of several years to ultimately reach the long-term target

Question 10: Pick One

What is the name of the software that allows a water utility to display their data across several years?

Points	Choices
10	Compiler Tool
0	AWWA Free Water Audit Software
0	Customer Billing System Software

Question 11: Pick One

True or False: Once you launch your Non-revenue Water Management Program, you may find that some losses are not being reduced as much as you planned, and you'll need to make adjustments in your loss control activities or program goals.

Points	Choices
10	True
0	False

Question 12: Pick One

A water utility's water audit revealed high real losses, so a competent leak detection contractor conducted acoustic leak detection on the distribution system, which is mostly old cast iron pipe. However, only a few small leaks were identified. Assuming the leakage quantity in the water audit is accurate, what might the manager of the water utility conclude:

Points	Choices
0	The leak detection contractor did not try hard enough to find leaks
10	The system likely has high background leakage that is not acoustically detectable
0	There is no reason to continue to explain the high leakage volume in the water audit