

PIMA COUNTY DEPARTMENT OF ENVIRONMENTAL QUALITY

Water Line Test Documentation Sheet

For Pressure, Disinfection, & Microbiological

33 North Stone Ave, Suite 700, Tucson, AZ 85701

System Name: _____

System Number: _____ PDEQ File Number: _____

Project Description: _____

Project Location: _____ System Permit Number: _____

INSPECTION RESULTS

COMMENTS

<p>Pressure Test or Leakage Test</p> <p><u>Date</u> <u>Approved</u> <u>Failed</u> <u>Date Invoiced</u></p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>Allowable water loss in gallons/2 hours =</p> <p>1st Test, Actual water loss per 2 hours =</p> <p>2nd Test, Actual water loss per 2 hours =</p> <p>3rd Test, Actual water loss per 2 hours =</p> <p>4th Test, Actual water loss per 2 hours =</p>
<p>Disinfection</p> <p><u>Date</u> <u>Approved</u> <u>Failed</u></p> <p>.....</p>	<p>Residual must be \geq 10 mg/L after 24 hours</p> <p>1st Test, Residual after 24 hours =</p> <p>2nd Test, Residual after 24 hours =</p>
<p>Microbiological Test</p> <p><u>Date</u> <u>Approved</u> <u>Failed</u> <u>Date Invoiced</u></p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>Total Coliform=TC, Fecal Coliform=FC</p> <p><u>Negative</u> <u>Positive-TC or FC</u></p> <p>1st Test=</p> <p>2nd Test=</p> <p>3rd Test=</p> <p>4th Test=</p> <p>5th Test=</p>

Inspector: _____ Date: _____

$L = \frac{ND\sqrt{P}}{7400}$ = (City of Tucson Specification) Maximum allowable leakage in gallons per hour for the section of pipeline tested. This is for PVC pipe material.

$L = \frac{SD\sqrt{P}}{133,200}$ = (City of Tucson Specification) Maximum allowable leakage in gallons per hour for the section of pipeline tested. This is for PVC pipe material.

- L = Maximum allowable leakage in gallons per hour
- N = The number of joints in the length of pipeline tested
- D = Nominal diameter of pipe in inches that is being tested.
- P = Testing pressure in PSI.
- S = Total length of pipe tested, in feet

Calculation for Allowable Loss

4" Pipe = _____ Linear Feet
 $\frac{(\quad) \times (4) \times (\quad)}{7400}$ = _____ gallons / hour

6" Pipe = _____ Linear Feet
 $\frac{(\quad) \times (6) \times (\quad)}{7400}$ = _____ gallons / hour

8" Pipe = _____ Linear Feet
 $\frac{(\quad) \times (8) \times (\quad)}{7400}$ = _____ gallons / hour

12" Pipe = _____ Linear Feet
 $\frac{(\quad) \times (12) \times (\quad)}{7400}$ = _____ gallons / hour

16" Pipe = _____ Linear Feet
 $\frac{(\quad) \times (16) \times (\quad)}{7400}$ = _____ gallons / hour

Total Allowable loss = _____ gallons / hour; X (2) = _____ gallons/2 hrs.

Test Information

Start Time: _____ End Time: _____ Date: _____
 Drop in water Level: _____ Loss in gal: _____

Start Time: _____ End Time: _____ Date: _____
 Drop in water Level: _____ Loss in gal: _____

Start Time: _____ End Time: _____ Date: _____
 Drop in water Level: _____ Loss in gal: _____

Start Time: _____ End Time: _____ Date: _____
 Drop in water Level: _____ Loss in gal: _____