

Distribution System Materials Inventory

Water System Name City Of Natchitoches

Water System ID 1069007

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I. Distribution System Piping

A. Estimated Total System Piping 234 Miles _____ Ft

B. Estimated Pipe Size Breakdown

2 inch <u>15</u> %	12 inch <u>7</u> %
4 inch <u>5</u> %	16 inch <u>5</u> %
6 inch <u>30</u> %	20 inch <u>0</u> %
8 inch <u>30</u> %	24 inch <u>1</u> %
10 inch <u>5</u> %	Other <u>2</u> %

C. Estimated Piping Material Breakdown

Lead <u>0</u> %	Cement Lined <u>5</u> %
Copper <u>0</u> %	PVC <u>31</u> %
Cast Iron <u>40</u> %	PE <u>3</u> %
Mild Steel <u>0</u> %	Wood <u>0</u> %
AC <u>1</u> %	Galvanized <u>20</u> %
Concrete <u>0</u> %	Other <u>0</u> %

D. Estimated 5 Year Growth 2%

E. Plans for Future Growth and/or Replacement

Lead 0 %

Copper 50 %

Cast Iron 5 %

Mild Steel 0 %

AC 100 %

Concrete 0 %

Cement Lined 0 %

PVC 100 %

PE 100 %

Wood _____ %

Other _____ %

II. Services

A. Present Number 9030

B. Estimated 5 Year Growth 180

C. Present Service Materials

Lead 0 %

Copper 25 %

PE 74 %

Galvanized PVC 1 %

Other _____ %

D. Plans for Future Growth and/or Replacement

Lead 0 %

Copper 100 %

PE 100 %

Galvanized 100 %

Other _____

III. Customer Plumbing

A. Age of Dwellings Estimate

Prior 1960 30 %

1960-1988 40 %

1988-2000 15 %

2000-Present 15 %

B. Estimate of Customer Plumbing Materials

Lead 0 %

PVC 15 %

Copper 75 %

PE 5 %

Galvanized 5 %

Other 0 %

Cast Iron 0 %

IV. Does the System Utilize a Corrosion Control Program?

Yes x No _____

If Yes, what program is employed:

1. pH Elevation Yes x No _____

pH Target Range 7.2 - 7.5

2. Phosphate Addition Yes x No _____

What Type of Phosphate Blend?

Orthophosphate Yes _____ No x

Zinc/Orthophosphate Yes x No _____

Polyphosphate Yes _____ No x

Zinc/Polyphosphate Yes _____ No

Ortho/Polyphosphate Blend Yes _____ No

3. Target Range at POE

Orthophosphate (Test Result) 1.53 mg/l

Zinc (Test Result) 0.25 - 0.35 mg/l

Polyphosphate (Calculated) N/A

4. Does the Target Range Inclusive of Naturally Occurring Phosphate?

Yes _____ No