

Distribution System Materials Inventory

Water System Name Zachary Water System

Water System ID 1033030

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I. Distribution System Piping

A. Estimated Total System Piping 800 Miles Ft

B. Estimated Pipe Size Breakdown

2 inch <u>5</u> %	12 inch <u>5</u> %
4 inch <u>10</u> %	16 inch <u>0</u> %
6 inch <u>15</u> %	20 inch <u>0</u> %
8 inch <u>60</u> %	24 inch <u>0</u> %
10 inch <u>5</u> %	Other <u>0</u> %

C. Estimated Piping Material Breakdown

Lead <u>1</u> %	Cement Lined <u>0</u> %
Copper <u>1</u> %	PVC <u>60</u> %
Cast Iron <u>13</u> %	PE <u>20</u> %
Mild Steel <u>0</u> %	Wood <u>0</u> %
AC <u>0</u> %	Galvanized <u>0</u> %
Concrete <u>0</u> %	Other <u>5</u> %

D. Estimated 5 Year Growth 20 %

E. Plans for Future Growth and/or Replacement

Lead 0 %

Cement Lined 0 %

Copper 0 %

PVC 50 %

Cast Iron 0 %

PE 50 %

Mild Steel 0 %

Wood 0 %

AC 0 %

Other 0 %

Concrete 0 %

II. Services

A. Present Number 7,714

B. Estimated 5 Year Growth 10,000

C. Present Service Materials

Lead 0 %

Galvanized PVC 40 %

Copper 0 %

Other 0 %

PE 60 %

D. Plans for Future Growth and/or Replacement

Lead 0 %

Galvanized 0 %

Copper 0 %

Other 0 %

PE 100 %

III. Customer Plumbing

A. Age of Dwellings Estimate

Prior 1960 30 %

1960-1988 15 %

1988-2000 15 %

2000-Present 40 %

B. Estimate of Customer Plumbing Materials

Lead 0 %

PVC 45 %

Copper 15 %

PE 40 %

Galvanized 0 %

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 _____ No X

pH Target Range _____

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 X

Ortho/Polyphosphate Blend Yes _____ No X

3. Target Range at POE

Orthophosphate (Test Result) 1.50 ppm

Zinc (Test Result) 0.30 ppm

Polyphosphate (Calculated) _____

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

Yes _____ No X