

GATHERING INFORMATION

- Information Should be Available
- Should be Organized Anyway
- Good Management Practice & Planning Tool
- Reduces Consulting Fees
- Helps You Understand Your Own System
- Helps You Look Good with Governing Board













PROCESS FLOW SCHEMATIC

- Graphic Display of Water Treatment System
- Shows Major Equipment Relationships
- Chemical Injection Points
- Visualize Treatment Process

OPTIONAL

- List Component Sizes / Capacities
- Identify Pipe Type & Size



DATA GATHERING

MAKE COPIES OF:

- → FDEP Permit
- → Most Recent Sanitary Survey
- → WMD Consumptive Use Permit (CUP)
- → Interconnection Agreements with Adjacent Water Systems
- → 10-years Monthly Operation Records (MORs)





























- Installed / Uninstalled backup acceptable



STORAGE CAPACITY CALCS

 Must Be 25% Max Daily Demand (MDD) PLUS Fire Storage Volume per 62-555.320(19)

25%MDD + FS

----- OR -----

Equalization Storage PLUS Fire Storage

ES + FS

- ES = [Peak Hour Demand (PHD) Total Plant Capacity] for 4 hours
- FS = [Needed Fire Flow (NFF) + MDD Total Plant Capacity] for Fire Duration



FIRE PROTECTION

- Fire protection is a Community Choice
- Must Decide Whether to Provide Protection
 - ✓ Or Not or How Much Protection
- Size Distribution System Components
 - ✓ Supply, Pumps, Water Lines
 - ✓ Hydrants, Fittings & Appurtenances

✓ Storage Facilities

Fire Department & 911 Issues













CAPACITY ANALYSIS REPORT SUMMARY

- Gathering Information & Data
- Population Historical Growth & Projected
- Water Demands Historical & Projected
- System Component Capacities
 - Water Supply Wells
 - Treatment & Chemicals
 - ✓ High Service Pumps
 - ✓ Storage Tanks
- ✓ Auxiliary Power
 Recommending Improvements



CAR CERTIFICATION • Written & Signed Statement

- Authorized Representative of Water System
- Utility is Meeting & Intends to Meet CAR Schedule
 - ✓ Design, Permitting, & Construction
 - ✓ New or Expanded Facilities
 - ✓ Recommended in CAR



