FLORIDA RURAL WATER ASSOCIATION
WATER TREATMENT PLANT
CAPACITY ANALYSIS REPORT INFORMATION SHEET

FRWA Member Name:

Address:

Telephone: _____ Fax: _____

Contact / Owner: _____ Connections: _____

PWS: _____ County: _____

Gather the following information and answer all questions fully:

- ❑ Water System **Service Area Map**
- ❑ Water System **Process Flow Schematic**
- ❑ Copy of **FDEP Permit** and latest **Sanitary Survey**
- ❑ Copy of **Water Management District Consumptive Use Permit** (CUP)
- ❑ Brief Description of **Interconnections** and Agreements with Adjacent Water Systems
- ❑ 10-years **Monthly Operation Records** (MORs) – need average daily demand & max daily demand

Largest commercial building for calculation of fire flow (size in square feet, number of stories, construction type, occupant usage, etc.) _____

_____

Describe any **Major Development** that will come to the system in the Projected Future _____

_____

Population Records – 1980 Census _____ 1990 Census _____ 2000 Census _____

Well No. 1 – provide a copy of well drilling log:

Location: _____	Aquifer: _____
Casing Dia & Depth: _____ feet	Screen Depth: _____ feet
Draw-Down Rating: _____ gal/ft	CUP Amount: _____
Well Pump Type: _____	Well Pump Capacity: _____ gpm @ 60 psi
Motor Horsepower: _____	Motor Efficiency: _____ %

Well No. 2 – provide a copy of well drilling log:

Location: _____	Aquifer: _____
Casing Dia & Depth: _____ feet	Screen Depth: _____ feet
Draw-Down Rating: _____ gal/ft	CUP Amount: _____
Well Pump Type: _____	Well Pump Capacity: _____ gpm @ 60 psi
Motor Horsepower: _____	Motor Efficiency: _____ %

Well No. 3 – provide a copy of well drilling log:

Location: _____	Aquifer: _____
Casing Dia & Depth: _____ feet	Screen Depth: _____ feet
Draw-Down Rating: _____ gal/ft	CUP Amount: _____
Well Pump Type: _____	Well Pump Capacity: _____ gpm @ 60 psi
Motor Horsepower: _____	Motor Efficiency: _____ %

More Wells – provide on separate sheets:

Treatment Components – describe components, number, size, loading and capacities for each:

Type of Treatment _____

Water Treatment Units: _____

_____

_____

_____

_____

Aeration _____

Chlorine Feed _____

Chlorine Storage _____

Ammonia Feed _____

Ammonia Storage _____

Sequestrant / Polyphosphate Feed _____

Sequestrant / Polyphosphate Storage _____

Combined Permitted Operating Capacity of All Treatment Units _____

Water Storage – describe tanks, number, size and capacities for each tank

Type of Tank: _____ Location: _____

Diameter: _____ feet Construction Material: _____

Depth: _____ feet Useful Capacity: _____ gallons

Type of Tank: _____ Location: _____

Diameter: _____ feet Construction Material: _____

Depth: _____ feet Useful Capacity: _____ gallons

Type of Tank: _____ Location: _____

Diameter: _____ feet Construction Material: _____

Depth: _____ feet Useful Capacity: _____ gallons

High Services Pump No. 1 – provide a copy of pump curve:

Discharge Diameter: _____ inches Pump Type: _____

Drive Type: _____ Pump Capacity: _____ gpm @ 60 psi

Motor Horsepower: _____ Motor Efficiency: _____ %

High Services Pump No. 2 – provide a copy of pump curve:

Discharge Diameter: _____ inches Pump Type: _____

Drive Type: _____ Pump Capacity: _____ gpm @ 60 psi

Motor Horsepower: _____ Motor Efficiency: _____ %

High Services Pump No. 3 – provide a copy of pump curve:

Discharge Diameter: _____ inches Pump Type: _____

Drive Type: _____ Pump Capacity: _____ gpm @ 60 psi

Motor Horsepower: _____ Motor Efficiency: _____ %

High Services Pump No. 4 – provide a copy of pump curve:

Discharge Diameter: _____ inches Pump Type: _____

Drive Type: _____ Pump Capacity: _____ gpm @ 60 psi

Motor Horsepower: _____ Motor Efficiency: _____ %

Auxiliary Stand-By Power

Generator Type / Mfr: _____ Generator Size: _____ kW

Generator Fuel Tank: _____ gallons Power Needs @ ADD: _____ kW

Known Water Supply, Treatment, Storage and Distribution Deficiencies?

Supply _____

Treatment _____

Storage _____

Distribution / Pumping _____

Other _____

10-yr Historic Water Demand -- Monthly Operating Reports (MORs).

Must have this information:

Month	ADD (MGD)	MDD (MGD)
Jan-94		
Feb-94		
Mar-94		
Apr-94		
May-94		
Jun-94		
Jul-94		
Aug-94		
Sep-94		
Oct-94		
Nov-94		
Dec-94		

Month	ADD (MGD)	MDD (MGD)
Jan-99		
Feb-99		
Mar-99		
Apr-99		
May-99		
Jun-99		
Jul-99		
Aug-99		
Sep-99		
Oct-99		
Nov-99		
Dec-99		

Month	ADD (MGD)	MDD (MGD)
Jan-95		
Feb-95		
Mar-95		
Apr-95		
May-95		
Jun-95		
Jul-95		
Aug-95		
Sep-95		
Oct-95		
Nov-95		
Dec-95		

Month	ADD (MGD)	MDD (MGD)
Jan-00		
Feb-00		
Mar-00		
Apr-00		
May-00		
Jun-00		
Jul-00		
Aug-00		
Sep-00		
Oct-00		
Nov-00		
Dec-00		

Month	ADD (MGD)	MDD (MGD)
Jan-96		
Feb-96		
Mar-96		
Apr-96		
May-96		
Jun-96		
Jul-96		
Aug-96		
Sep-96		
Oct-96		
Nov-96		
Dec-96		

Month	ADD (MGD)	MDD (MGD)
Jan-01		
Feb-01		
Mar-01		
Apr-01		
May-01		
Jun-01		
Jul-01		
Aug-01		
Sep-01		
Oct-01		
Nov-01		
Dec-01		

Month	ADD (MGD)	MDD (MGD)
Jan-97		
Feb-97		
Mar-97		
Apr-97		
May-97		
Jun-97		
Jul-97		
Aug-97		
Sep-97		
Oct-97		
Nov-97		
Dec-97		

Month	ADD (MGD)	MDD (MGD)
Jan-02		
Feb-02		
Mar-02		
Apr-02		
May-02		
Jun-02		
Jul-02		
Aug-02		
Sep-02		
Oct-02		
Nov-02		
Dec-02		

Month	ADD (MGD)	MDD (MGD)
Jan-98		
Feb-98		
Mar-98		
Apr-98		
May-98		
Jun-98		
Jul-98		
Aug-98		
Sep-98		
Oct-98		
Nov-98		
Dec-98		

Month	ADD (MGD)	MDD (MGD)
Jan-03		
Feb-03		
Mar-03		
Apr-03		
May-03		
Jun-03		
Jul-03		
Aug-03		
Sep-03		
Oct-03		
Nov-03		
Dec-03		

Month	ADD (MGD)	MDD (MGD)
Jan-04		
Feb-04		
Mar-04		
Apr-04		
May-04		
Jun-04		
Jul-04		
Aug-04		
Sep-04		
Oct-04		
Nov-04		
Dec-04		