WATER USE PERMIT
Public Supply Use
Supplemental Form E

Northwest Florida Water Management District
152 Water Management Drive, Havana, FL 32333-4712
(850) 539-5999 Fax (850) 539-2693
www.nwfwater.com

SECTION E1 – SITE INFORMATION

1. Submit a map showing: [if available, provide items A through C in a District-approved electronic format, e.g., ESRI shapefile, Autocad, DXF, KMZ, or compatible GIS file]:
   A. The distribution area boundary(ies) where service is currently being provided and where the utility is proposing to provide service during the requested permit duration;
   B. The authorized water service area or franchise area boundary in which the utility is legally authorized to provide potable water service;
   C. All existing and proposed withdrawal and connection point locations. Label all wells, pumps and connection points so they match the IDs provided in the application form (Section IV - Sources of Water);
   D. A north arrow and map scale; and
   E. Labeled landmarks such as major roads and political boundaries.

SECTION E2 – POPULATION AND PER CAPITA USE

1. Historical data should be provided for the previous five years (including the most recent calendar year) and projected use at five-year intervals for the requested permit duration. If historical data has been previously submitted to the District to fulfill periodic reporting requirements, the historical data may be left blank.

	Year	Average Number of Active Residential Connections	Total Number of Residential Dwelling Units (if available)	Residential Population Served[1]	Residential Water Use Average Day[3] (gpd)	Uniform Residential Per Capita Use[2] (gpcd)[4]
Historical						
Projected						

[1] Can be estimated by multiplying the total number of residential dwelling units by the average persons per household or can be estimated using other methods, as outlined in the Applicant's Handbook.
[2] Calculated as total residential water use average day divided by residential population served.
[3] Residential water use reflects finished water.
[4] gpcd = gallons per capita per day

2. Please attach a description of the methodology used to estimate population. Include supporting calculations and describe any deviations from District-approved methods as outlined in the Applicant's Handbook.

SECTION E3 – WATER DEMAND COMPONENTS

1. **Historical and Projected Water Demands**. If historical data has been previously submitted to the District to fulfill periodic reporting requirements, the historical data may be left blank. Projections must be provided at a minimum of five-year intervals for the requested permit duration. Please attach demand projections and supporting data for secondary users as outlined in Section 2.3.7 of the Applicant's Handbook.

	Year	Residential Water Use Average Day (gpd) (from Section E2 above)	Commercial / Industrial / Institutional[1] Average Day (gpd)	Recreation and Landscape Irrigation Average Day[2] (gpd)	Routine Exports Average Day[3] (gpd)	Other[4] (describe) _____ Average Day (gpd)	Water Utility[5] Average Day (gpd)	Water Losses[6] Average Day (gpd)	Water Treatment Reject[7] Average Day (gpd) (if applicable)	Annual Average Daily Raw Water Demand[8] (gpd)
Historical Water Demand										
Projected Water Demand										

[1] Metered bulk industrial and commercial use including businesses, manufacturing facilities, and institutions such as schools and hospitals, including irrigation uses associated with these facilities whose irrigation source is provided by the utility.
[2] Use for irrigation of common areas such as parks, athletic fields, cemeteries, medians and rights-of-way.
[3] Water routinely supplied to other utilities through interconnections.
[4] Examples of "Other" could include supplementation of a reclaimed water system, environmental restoration or other uses not listed above.
[5] Water used for line flushing, well lubrication and other water system maintenance.
[6] Water losses including leakage from transmission and storage facilities and other unknown water losses.
[7] Reject water from treatment systems such as reverse osmosis.
[8] The annual average day raw water demand; should represent the sum of the columns to the left.

2. **Methodology.** Attach a description of the methodology used to develop projections for each column in the Projected Water Demands table above. Include supporting calculations and describe any deviations from District-approved methods as described in the Section 2.3.7 of the Applicant's Handbook.

SECTION E4 – HISTORICAL AND REQUESTED WATER USE

1. **Historical and Projected Water Supply Sources and Withdrawal Amounts.** Provide the historical and projected withdrawal amounts from each source. Sources should include any bulk water purchases or transfers. The sum of withdrawals from all sources should equal the annual average daily raw water demand. If historical pumpage data has been previously submitted to the District, the historical withdrawal amounts section may be left blank.

	Year	Requested Annual Average Amounts (Gallons per Day)				Requested Maximum Monthly Amounts (Gallons)			
		Source 1 Name[1] _____	Source 2 Name _____	Source 3 Name _____	Annual Average Daily Water Demand (GPD) Section E3 Table 1	Source 1 Name _____	Source 2 Name _____	Source 3 Name _____	Total
Historical Withdrawal Amounts									
Projected Withdrawal Amounts									

[1] Provide the name of the water source. Examples include the Floridan aquifer, surficial aquifer, the Sand and Gravel aquifer, surface water, and bulk water imported or purchased.

2. Wellfield Operation Schedule

Describe the typical wellfield operation schedule, including source and/or facility specific allocations, if applicable. Identify which wells are primary, secondary (peaking), stand-by, and describe the well rotation schedule.

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SECTION E5 – WATER CONSERVATION

1. CONSERVATION

Please attach a copy of the conservation plan, including a copy of any water conservation ordinances related to the plan. If your facility is located in a Water Resource Caution Area, there may be additional water conservation requirements as described in the Applicant's Handbook.

A. Indicate whether the conservation program is a Standard Conservation Plan or a Goal-based Plan.

❑ Standard Conservation Plan ❑ Goal-based Plan

B. Please attach a copy of the current water rate structure.

SECTION E6 – REUSE FEASIBILITY

1. REUSE FEASIBILITY

A. Does the Applicant operate a domestic wastewater treatment plant? ❑ Yes ❑ No

If Yes, complete items B and C below.

B. Wastewater Treatment Plant Name_____

	Projected Wastewater Flows, Reuse Quantities, and Plant Capacity (mgd)				
	Present	Projected (5 years)	Projected (10 years)	Projected (15 years)	Projected (20 years)
Average daily wastewater flow					
Average daily reuse flow					
Permitted plant capacity					

Please attach additional sheets for each wastewater treatment plant, if Applicant operates more than one.

C. Is the applicant located within a Water Resource Caution Area? ❑ Yes ❑ No

If yes, applicants operating domestic wastewater treatment plants shall provide an analysis of the economic, environmental and technical feasibility of providing reclaimed water for reuse within five years and shall provide for 100% utilization of available reclaimed water supplies within 20 years. Please attach reuse plan(s) or reuse feasibility analysis that satisfies this requirement.