



WATER USE PERMIT Industrial / Commercial Use Supplemental Form B



Suwannee River Water Management District
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SECTION B1 – SITE INFORMATION

1.

Site Name	Acres Owned/ Leased	Project Acres	County Parcel Identification Number or Section, Township, Range
TOTAL			

2. Submit a map showing:
- A. The legal boundaries of the property owned or controlled by the permittee/applicant;
 - B. 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);
 - C. A north arrow and map scale; and
 - D. Labeled landmarks such as roads and political boundaries.

3. Check the categories below that most closely describe the type of activity associated with this permit application.

- | | |
|---|--|
| <input type="checkbox"/> Manufacturing / Processing | <input type="checkbox"/> Commercial / Specialty |
| <input type="checkbox"/> Food Processing | <input type="checkbox"/> Power Plant |
| <input type="checkbox"/> Beverage Processing | <input type="checkbox"/> Zoo / Attraction / Aquarium |
| <input type="checkbox"/> Other (describe) _____ | |

4. Provide a detailed description of the type of business and/or operation.

SECTION B2 – WATER USE INFORMATION

1. MANUFACTURING/PROCESSING, FOOD PROCESSING, BEVERAGE PROCESSING

Please attach a detailed description of the water used for all manufacturing, food processing and beverage processing. Identify and explain water used in any of the following areas:

- A. Boiler feed and makeup water
- B. Cleaning and maintenance
- C. Equipment cooling
- D. Emission control
- E. Heat exchangers
- F. Product content
- G. Product mixing and dilution
- H. Product washing
- I. Refrigeration
- J. Any other water uses not listed

2. POWER PLANT

Please attach a detailed description of water uses associated with power generation. Identify and explain water used in any of the following areas:

- A. Boiler feed and makeup water
- B. Cleaning and maintenance
- C. Dilution
- D. Emission control
- E. Equipment cooling
- F. Evaporative cooling
- G. Heat exchangers
- H. Any other water uses not listed

3. COOLING / AIR CONDITIONING

Provide a description of water used in any cooling or air conditioning system including, the method of discharge, the number of times water is recirculated prior to being discharged, and where blowdown from the cooling system is discharged.

4. ZOO / ATTRACTION / AQUARIUM

Provide a detailed description of water uses associated with the zoo, attraction or aquarium. Identify and explain all areas of water use. Attach additional sheets if necessary.

5. POTABLE SUPPLY

Provide the current and projected number of persons requiring water for potable and sanitary purposes associated with this project in the table below at a minimum of five-year intervals for the requested permit duration.

The number of persons may represent the total number of employees or other persons consuming or using potable water at the facility.

Year		Number of persons	Per Capita Water Use ¹
Current			
Projected			

¹The quantity of water used by a single person during a day, expressed in gallons.

6. IRRIGATED LANDSCAPE / RECREATIONAL AREAS

Landscape, golf course and agricultural irrigation are assumed to represent minor amounts of the total industrial/commercial water use. Complete the information below if irrigation is associated with this project.

Type of Irrigated Area ¹	Number of Acres	Irrigation Method ²

¹Landscape irrigation, golf course irrigation, agricultural irrigation (list crop)

²Drip, micro jet, multiple sprinkler, etc.

7. OTHER

Provide a detailed description of other commercial or industrial water uses. Identify and explain all components of other water uses. Attach additional sheets if necessary.

SECTION B3 – WATER BALANCE

1. WATER BALANCE

Provide a water balance that shows the following information. The tables below may be used to assist in developing the water balance. The water balance must show the annual average and peak month quantities (in gallons per day) for sources, uses, losses and recycled water in a schematic

diagram that portrays all steps in the process including those listed in Section B2. The total of all sources must equal the total of all uses, and the losses plus recycled water must equal the total of all sources. The water balance must include:

- A. All water sources (groundwater, surface water, rainfall, recycled water, reclaimed water, etc.);
- B. The amount of water entering and leaving each step in the process; and
- C. All water losses (e.g., evaporation, product water content, steam losses, etc.).

WATER BALANCE WORKSHEET TABLES

WATER SOURCES

Sources include wells, surface water, recycled water, public supply utilities, reclaimed water from public supply utilities, captured excess storm water (rainfall), etc. Sources total must equal Uses total.

List Sources:	Annual Average (mgd)	Peak Month (mgd)
SOURCES TOTAL:		

WATER USES

Uses are water quantities entering and leaving each step in the process. Uses total must equal Sources total.

List Uses:	Annual Average (mgd)	Peak Month (mgd)
USES TOTAL:		

WATER LOSSES

Losses represent water lost through evaporation (from ponds or cooling towers), product content, pond infiltration, spray disposal, steam losses, waste entrainment, sewage or wastewater, off-site disposal, etc.

List Losses:	Annual Average (mgd)	Peak Month (mgd)
LOSSES TOTAL:		

RECYCLED WATER SOURCES

Recycled sources includes recycled water sources (see “Water Sources”, above) and all reused water such as settling ponds, cooling ponds or water that is a byproduct of the industry.

List Recycled Sources:	Annual Average (mgd)	Peak Month (mgd)
RECYCLED TOTAL:		

SECTION B4 – REQUESTED WATER USE

1. The allocations for irrigation withdrawals are based on the supplemental irrigation requirements for the type of irrigation and acreages listed. Would you like to request District staff calculate and provide you a recommended amount of supplemental irrigation? Yes No

Please indicate type of irrigation system(s) (drip, micro-jet, multiple sprinkler, etc.): _____

If no, please provide the requested amounts in the table below and provide supporting documentation.

2. Complete the requested water use table below. Provide projected water amount for each applicable use type and the water source(s) associated with the use type.

Commercial/Industrial Use Type	Requested Amounts and Sources of Water (mgd)		
	Source 1 Name ¹ _____	Source 2 Name _____	Source 3 Name _____
Manufacturing/Processing			
Food Processing			
Beverage Processing			
Cooling/Air Conditioning			
Power Plant			
Zoo / Attraction / Aquarium			
Potable Supply			
Irrigated Landscape / Recreation			
Other _____			
Total			

¹ Provide the name of the water source. Examples include the Upper Floridan aquifer and the Biscayne aquifer

3. Provide a description of the methodology used to calculate the requested amounts for each commercial or industrial use listed in the table above. Attach additional sheets, if necessary.

SECTION B5 – WATER CONSERVATION

Please refer to District specific water conservation requirements, per current rules.