

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

2379 BROAD STREET
 BROOKSVILLE, FLORIDA 34604-6899
 (352) 796-7211 or 1-800-423-1476 (FL only)
 TDD only: 1-800-231-6103 (FL only)

**SMALL GENERAL WATER USE PERMIT APPLICATION
 INDUSTRIAL OR COMMERCIAL ATTACHMENT**

THE INFORMATION REQUESTED IN THIS FORM IS REQUESTED PURSUANT TO CHAPTER 373, FLORIDA STATUTES (F.S.), AND RULES 40D-2.091, 40D-2.101 AND 40D-2.301, FLORIDA ADMINISTRATIVE CODE.

NOTE: IF PROCESSING OF MATERIALS ASSOCIATED WITH MINING IS AT THE MINE SITE OR ON THE SAME PROPERTY AS THE MINING, INCLUDE THESE USES ON THE **MINING AND DEWATERING** SUPPLEMENTAL FORM.

PART I. GENERAL

APPLICANT (same as on application form): _____

WUP NUMBER (if any): _____

PART II. WATER DEMAND

Indicate categories (Manufacturing/Processing, Food Processing, Drink Industry, Power Plant, Commercial Specialty) that most closely describe the industrial or commercial activity. Check all categories that apply. Each category has a subsection intended to assist in fully describing water demands. When a water demand category is checked, at least one business type must also be indicated.

MANUFACTURING/PROCESSING – Product creation and/or materials processing.

BUSINESS TYPE – The following business types describe most manufacturing or processing in west-central Florida. Indicate all that pertain to this permit:

- | | |
|---|--|
| <input type="checkbox"/> Asphalt | <input type="checkbox"/> Electronics |
| <input type="checkbox"/> Biofuel(s) | <input type="checkbox"/> General product(s) |
| <input type="checkbox"/> Cement or concrete batch plant | <input type="checkbox"/> Lime processing |
| <input type="checkbox"/> Chemicals | <input type="checkbox"/> Other (describe): _____ |
| <input type="checkbox"/> Cement or concrete products | _____ |

WATER DEMAND – Listed below are typical water demands for manufacturing/processing business types. For each withdrawal point, identify all water demands on the tables below. (Make copies of the table if there are more than two withdrawal points used for manufacturing/processing and attach.)

District ID Number: _____	Owner ID Number: _____	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers		_____	_____
<input type="checkbox"/> Boiler feed & makeup water		_____	_____
<input type="checkbox"/> Cleaning & maintenance		_____	_____
<input type="checkbox"/> Closed loop heating/cooling		_____	_____
<input type="checkbox"/> Equipment cooling		_____	_____
<input type="checkbox"/> Emission control		_____	_____
<input type="checkbox"/> Product content		_____	_____
<input type="checkbox"/> Heat exchangers		_____	_____
<input type="checkbox"/> Product mixing & dilution		_____	_____
<input type="checkbox"/> Product washing		_____	_____
<input type="checkbox"/> Other (identify): _____ ...		_____	_____
Withdrawal Point Totals:		_____	_____

Small General WUP Industrial/Commercial Attachment

(Water Demand for Manufacturing/Processing Continued.)

District ID Number: _____	Owner ID Number: _____	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers		_____	_____
<input type="checkbox"/> Boiler feed & makeup water		_____	_____
<input type="checkbox"/> Cleaning & maintenance		_____	_____
<input type="checkbox"/> Closed loop heating/cooling		_____	_____
<input type="checkbox"/> Equipment cooling		_____	_____
<input type="checkbox"/> Emission control		_____	_____
<input type="checkbox"/> Product content		_____	_____
<input type="checkbox"/> Heat exchangers		_____	_____
<input type="checkbox"/> Product mixing & dilution		_____	_____
<input type="checkbox"/> Product washing		_____	_____
<input type="checkbox"/> Other (identify): _____ ...		_____	_____
Withdrawal Point Totals:		_____	_____
		Annual Avg. Demand (gpd)	Peak Month Demand (gpd)

MANUFACTURING/PROCESSING SUBTOTALS: _____
(Add quantities for all withdrawal points used for Manufacturing or Processing)

WATER DEMAND DOCUMENTATION – Written documentation of demand is required. Attach documents that show all calculations for the quantities requested for each water demand.

Attached

FOOD PROCESSING – Water needed for washing, sorting and packing of foods, as well as water used in refrigeration, cleaning, and maintenance at a facility. If water is used for washing and packing of crops at a farm, also complete the “Agriculture” supplemental form.

BUSINESS TYPE – The following business types describe most food processing in west-central Florida. Indicate all that pertain to this permit:

- Meat/seafood packing
- Vegetable/fruit processing (e.g., concentrates, etc.)
- Vegetable/fruit packing
- Dairy Products
- Other (describe): _____

WATER DEMAND – Listed below are typical water demands associated with the food processing industry. For each withdrawal point, identify all water demands on the tables below. (Make copies of the table if there are more than two withdrawal points used for food processing and attach.)

District ID Number: _____	Owner ID Number: _____	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers		_____	_____
<input type="checkbox"/> Boiler feed & makeup water		_____	_____
<input type="checkbox"/> Cleaning & maintenance		_____	_____
<input type="checkbox"/> Equipment cooling		_____	_____
<input type="checkbox"/> Emission control		_____	_____
<input type="checkbox"/> Product content		_____	_____
<input type="checkbox"/> Product mixing & dilution		_____	_____
<input type="checkbox"/> Product washing		_____	_____
<input type="checkbox"/> Refrigeration		_____	_____
<input type="checkbox"/> Other (identify): _____ ...		_____	_____
Withdrawal Point Totals:		_____	_____

Small General WUP Industrial/Commercial Attachment

(Water Demand for Food Processing Continued.)

District ID Number: _____	Owner ID Number: _____	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers		_____	_____
<input type="checkbox"/> Boiler feed & makeup water		_____	_____
<input type="checkbox"/> Cleaning & maintenance		_____	_____
<input type="checkbox"/> Equipment cooling		_____	_____
<input type="checkbox"/> Emission control		_____	_____
<input type="checkbox"/> Product content		_____	_____
<input type="checkbox"/> Product mixing & dilution		_____	_____
<input type="checkbox"/> Product washing		_____	_____
<input type="checkbox"/> Refrigeration		_____	_____
<input type="checkbox"/> Other (identify): _____ ...		_____	_____
Withdrawal Point Totals:		_____	_____

	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
FOOD PROCESSING SUBTOTALS:	_____	_____
<i>(Add quantities for all withdrawal points used for Food Processing)</i>		

WATER DEMAND DOCUMENTATION – Written documentation of demand is required. Attach documents that show all calculations for the quantities requested for each water demand.

Attached

DRINK INDUSTRY – Water needed for producing bottled water, soft drinks, juices and brewery/distillery/winery products.

BUSINESS TYPE – The following business types describe most drink industries in west-central Florida. Indicate all that pertain to this permit:

- | | |
|--|---|
| <input type="checkbox"/> Bottled water | <input type="checkbox"/> Soft drinks |
| <input type="checkbox"/> Alcoholic Beverages | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Juice Products | _____ |

WATER DEMAND – Listed below are typical water demands associated with the Drink Industry. For each withdrawal point, identify all water demands on the tables below. (Make copies of the table if there are more than two withdrawal points used for Drink Industry and attach to this form.)

District ID Number: _____	Owner ID Number: _____	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers		_____	_____
<input type="checkbox"/> Boiler feed & makeup water		_____	_____
<input type="checkbox"/> Cleaning & maintenance		_____	_____
<input type="checkbox"/> Emission control		_____	_____
<input type="checkbox"/> Equipment cooling		_____	_____
<input type="checkbox"/> Product content		_____	_____
<input type="checkbox"/> Product Dilution and mixing		_____	_____
<input type="checkbox"/> Product washing		_____	_____
<input type="checkbox"/> Refrigeration		_____	_____
<input type="checkbox"/> Other (identify): _____ ...		_____	_____
Withdrawal Point Totals:		_____	_____

Small General WUP Industrial/Commercial Attachment

(Water Demand for Drink Industry Continued.)

District ID Number: _____	Owner ID Number: _____	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers		_____	_____
<input type="checkbox"/> Boiler feed & makeup water		_____	_____
<input type="checkbox"/> Cleaning & maintenance		_____	_____
<input type="checkbox"/> Emission control		_____	_____
<input type="checkbox"/> Equipment cooling		_____	_____
<input type="checkbox"/> Product content		_____	_____
<input type="checkbox"/> Product Dilution and mixing		_____	_____
<input type="checkbox"/> Product washing		_____	_____
<input type="checkbox"/> Refrigeration		_____	_____
<input type="checkbox"/> Other (identify): _____ ...		_____	_____
Withdrawal Point Totals:		_____	_____

Annual Avg. Demand (gpd) **Peak Month Demand (gpd)**

DRINK INDUSTRY SUBTOTALS: _____

(Add quantities for all withdrawal points used for the Drink Industry)

WATER DEMAND DOCUMENTATION – Written documentation of demand is required. Attach documents that show all calculations for the quantities requested for each water demand.

Attached

POWER PLANT – For multiple unit power plants, provide information per unit. Make a photocopy of the Power Plant Section of this application for additional units.

POWER PLANT TYPE (indicate all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Simple cycle | <input type="checkbox"/> Base load |
| <input type="checkbox"/> Combined cycle | <input type="checkbox"/> Peaking |
| <input type="checkbox"/> Steam (conventional) | <input type="checkbox"/> Other (describe): _____ |

PRIMARY POWER FUEL TYPE – Indicate the type of fuel used and whether it is for the primary or secondary power output or both (check both).

PRIMARY SECONDARY

- | | |
|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> Natural gas |
| <input type="checkbox"/> | <input type="checkbox"/> Coal gasification |
| <input type="checkbox"/> | <input type="checkbox"/> Gasification of synthetic hydrocarbon (integrated gasification) |
| <input type="checkbox"/> | <input type="checkbox"/> Oil |
| <input type="checkbox"/> | <input type="checkbox"/> Nuclear reactor |
| <input type="checkbox"/> | <input type="checkbox"/> Waste material |
| <input type="checkbox"/> | <input type="checkbox"/> Other (describe): _____ |

NON-FRESHWATER COOLING – Is non-freshwater used for cooling? Yes No.

If yes, in the space below describe how the cooling needs of the plant are met. (If the answer is no, and fresh water is used for cooling, provide information on quantities needed in the Demand Section on the next page).

POWER OUTPUT – What is the output of the power plant? _____ megawatts

Small General WUP Industrial/Commercial Attachment

SITING CERTIFICATE – FDEP application or certificate number: _____

COGENERATION – A cogeneration power plant in the context of this form is a power plant that derives its energy source from “waste” energy from a primary power plant.

Is this a cogeneration facility? Yes No (Skip to Water Demand)

If “yes,” describe the operation of the facility:

WATER DEMAND – Listed below are typical water demands associated with power plants. For each withdrawal point, identify all water demands on the tables below and identify if the water demand is for a primary power plant or a cogeneration plant. Check both if the demand is for both. (Make copies of the table if there are more than two withdrawal points used for power plants and attach.)

District ID Number: _____	Owner ID Number: _____	<input type="checkbox"/> Primary <input type="checkbox"/> Cogeneration	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers			_____	_____
<input type="checkbox"/> Boiler feed & makeup water			_____	_____
<input type="checkbox"/> Cleaning & maintenance			_____	_____
<input type="checkbox"/> Closed-cycle steam cooling makeup & blow-down			_____	_____
<input type="checkbox"/> Cooling water makeup			_____	_____
<input type="checkbox"/> Dilution			_____	_____
<input type="checkbox"/> Emission control			_____	_____
<input type="checkbox"/> Equipment cooling			_____	_____
<input type="checkbox"/> Evaporative cooling			_____	_____
<input type="checkbox"/> Heat exchangers			_____	_____
<input type="checkbox"/> Once-through freshwater cooling			_____	_____
<input type="checkbox"/> Other (identify): _____			_____	_____
Withdrawal Point Totals:			_____	_____

District ID Number: _____	Owner ID Number: _____	<input type="checkbox"/> Primary <input type="checkbox"/> Cogeneration	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers			_____	_____
<input type="checkbox"/> Boiler feed & makeup water			_____	_____
<input type="checkbox"/> Cleaning & maintenance			_____	_____
<input type="checkbox"/> Closed-cycle steam cooling makeup & blow-down			_____	_____
<input type="checkbox"/> Cooling water makeup			_____	_____
<input type="checkbox"/> Dilution			_____	_____
<input type="checkbox"/> Emission control			_____	_____
<input type="checkbox"/> Equipment cooling			_____	_____
<input type="checkbox"/> Evaporative cooling			_____	_____
<input type="checkbox"/> Heat exchangers			_____	_____
<input type="checkbox"/> Once-through freshwater cooling			_____	_____
<input type="checkbox"/> Other (identify): _____			_____	_____
Withdrawal Point Totals:			_____	_____

Small General WUP Industrial/Commercial Attachment

Annual Avg. Demand (gpd) Peak Month Demand (gpd)

POWER PLANT SUBTOTALS: _____

(Add quantities for all withdrawal points used for Power Plants)

WATER DEMAND DOCUMENTATION – Written documentation of demand is required. Attach documents that show all calculations for the quantities requested for each water demand.

Attached

COMMERCIAL/SPECIALTY – Water uses associated with the service industry (laundries, cleaners, car washes, etc.) or specialty processes (aquifer remediation, water well contracting and retail).

BUSINESS TYPE – Commercial or specialty business types for which water use permits are typically requested are listed below. Indicate the one which best describes your business.

- | | |
|--|--|
| <input type="checkbox"/> Car wash | <input type="checkbox"/> Retail |
| <input type="checkbox"/> Hydrogeologic/Engineering | <input type="checkbox"/> Storage facility |
| <input type="checkbox"/> Laundry/dry cleaner | <input type="checkbox"/> Other (describe): _____ |

WATER DEMAND – Listed below are typical water demands associated with the commercial or specialty industry. For each withdrawal point, identify all water demands on the tables below. (Make copies of the table if there are more than two withdrawal points used for commercial/specialty industry and attach to this form.)

District ID Number: _____	Owner ID Number: _____	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers		_____	_____
<input type="checkbox"/> Aquifer remediation		_____	_____
<input type="checkbox"/> Boiler feed & makeup water		_____	_____
<input type="checkbox"/> Cleaning & maintenance		_____	_____
<input type="checkbox"/> Dilution		_____	_____
<input type="checkbox"/> Emission control		_____	_____
<input type="checkbox"/> Equipment cooling.....		_____	_____
<input type="checkbox"/> Product content		_____	_____
<input type="checkbox"/> Process water		_____	_____
<input type="checkbox"/> Refrigeration		_____	_____
<input type="checkbox"/> Washing		_____	_____
<input type="checkbox"/> Water well contracting		_____	_____
<input type="checkbox"/> Other (identify): _____		_____	_____
Withdrawal Point Totals:		_____	_____

District ID Number: _____	Owner ID Number: _____	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)
<input type="checkbox"/> Air conditioning chillers		_____	_____
<input type="checkbox"/> Aquifer remediation		_____	_____
<input type="checkbox"/> Boiler feed & makeup water		_____	_____
<input type="checkbox"/> Cleaning & maintenance		_____	_____
<input type="checkbox"/> Dilution		_____	_____
<input type="checkbox"/> Emission control		_____	_____
<input type="checkbox"/> Equipment cooling.....		_____	_____
<input type="checkbox"/> Product content		_____	_____
<input type="checkbox"/> Process water		_____	_____

Small General WUP Industrial/Commercial Attachment

- Refrigeration _____
- Washing _____
- Water well contracting _____
- Other (identify): _____

Withdrawal Point Totals: _____

COMMERCIAL/SPECIALTY SUBTOTALS: _____
(Add quantities for all withdrawal points used for Commercial/Specialty)

WATER DEMAND DOCUMENTATION – Written documentation of demand is required. Attach documents that show all calculations for the quantities requested for each water demand.

- Attached

PART III. OTHER WATER DEMANDS

If this information was provided on another Small General WUP attachment, it is not necessary to complete it here.

- FIRE FLOW** – If fire protection is provided from an on-site water source, indicate the annual average and peak month daily quantities necessary in the table below.

District ID Number	Owner ID Number	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)

FIRE FLOW SUBTOTALS: _____

- Not applicable; fire protection is provided by a public supply utility.

- LAWN/LANDSCAPE IRRIGATION** – If grounds around office or facilities are irrigated from an on-site water source, complete the table below. Indicate whether the irrigation method is general spray or impact sprinkler.

District ID Number	Owner ID Number	Acres	Irrigation Method	Annual Avg. (gpd)	Peak Month (gpd)

LAWN/LANDSCAPE IRRIGATION SUBTOTALS: _____

DOCUMENTATION OF LAWN/LANDSCAPE IRRIGATION QUANTITIES

Attach documentation for the quantities requested. If you used the District’s irrigation calculation program, AGMOD, attach the output to this form.

- Attached Not applicable. Irrigation water is not provided from withdrawal facilities on this property.

Small General WUP Industrial/Commercial Attachment

POTABLE/SANITARY REQUIREMENTS – If potable/sanitary needs of employees are provided from an on-site water source, complete the table below using general employee numbers per shift.

	District ID Number	Owner ID Number	Employees/ visitors per shift	Workdays per week	Annual Average (gpd)	Peak Month (gpd)
Shift 1:						
Shift 2:						
Shift 3:						

POTABLE/SANITARY SUBTOTALS: _____

Not applicable; potable/sanitary needs are provided by a public supply utility.

INDUSTRIAL OR COMMERCIAL TOTALS:

(Add all water demand subtotals above)

Annual Average (gpd) _____ Peak Month (gpd) _____

PART IV. WATER CONSERVATION

By signing and submitting this application, the applicant agrees to utilize the most water conserving practices in all processes and components of water use that are environmentally, technically and economically feasible for the activity, including reducing water losses, recycling and reuse, and utilization of water-efficient irrigation practices on drought-tolerant landscaping.

I agree _____
(Signature of applicant)

