



# CONSUMPTIVE USE PERMIT

## Application for Agriculture, Aquaculture and Golf Course Uses

District Use Only

CUPA #: \_\_\_\_\_

Color: Green

Northwest Florida Water Management District  
152 Water Management Drive, Havana, FL 32333 (850) 539-5999 Fax (850) 539-2693

### SECTION I - INSTRUCTIONS TO THE APPLICANT

1. Type or print in INK.
2. Please submit TWO (2) COPIES of this application and all other submitted materials (letters, maps, etc.).
3. A checklist and example of water use calculations are provided on pages 7 and 8.

### SECTION II - GENERAL INFORMATION

1. TYPE OF APPLICATION:  
 New (Proposed)    Unpermitted (Existing)    Modification    Renewal
2. WATER USE PERMIT NUMBER (if application is for renewal or modification): \_\_\_\_\_
3. APPLICANT (Complete legal name in which permit should be issued)  
 NAME: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP: \_\_\_\_\_  
 DAY PHONE: \_\_\_\_\_ NIGHT PHONE: \_\_\_\_\_  
 Applicant is:    Owner    Lessee    Other (explain) \_\_\_\_\_
4. AGENT OR CONSULTANT   Address all correspondence to the person below?  Yes    No  
 NAME: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP: \_\_\_\_\_  
 DAY PHONE: \_\_\_\_\_ NIGHT PHONE: \_\_\_\_\_
5. OWNER (IF OTHER THAN APPLICANT)  
 NAME: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP: \_\_\_\_\_  
 DAY PHONE: \_\_\_\_\_ NIGHT PHONE: \_\_\_\_\_

### SECTION III - PROPERTY CONTROL

Is the IRRIGATED PROPERTY(S) owned or leased?

Owned    Leased

Is the PROPERTY AT THE WITHDRAWAL POINT(S) owned or leased?

Owned    Leased

If leased, specify expiration date and whether it is renewable.

Lease Expiration Date: \_\_\_\_\_ Renewable?    Yes    No

If requested, a copy of the current lease (signed by the property owner) detailing the lease arrangement and the duration of the lease must be submitted.

**SECTION IV - CLASSIFICATION**

Check applicable classification:

- Agricultural Irrigation (Row crops, Nursery stock, etc.)
- Aquacultural (Fish Farms)
- Freeze Protection
- Golf Course Irrigation
- Livestock
- Nursery (non-Agricultural)
- Other (explain) \_\_\_\_\_

**SECTION V - CONSUMPTIVE WATER USE INFORMATION**

1. CULTIVATED CROPS: Water use table for farming operations for Spring and/or Fall.

Spring Planting Crop Water Use Table

SPRING CROP TYPE	ESTIMATED PLANTING DATE (DAY and MONTH)	ESTIMATED HARVEST DATE (DAY and MONTH)	IRRIGABLE SOIL TYPE (SCS)	IRRIGATION SYSTEM TYPE	NET ACRES IRRIGATED

Fall Planting Crop Water Use Table

FALL CROP TYPE	ESTIMATED PLANTING DATE (DAY and MONTH)	ESTIMATED HARVEST DATE (DAY and MONTH)	IRRIGABLE SOIL TYPE (SCS)	IRRIGATION SYSTEM TYPE	NET ACRES IRRIGATED

2. LIVESTOCK: Annual Water Use Table.

Livestock Water Use Table

TYPE OF LIVESTOCK	NUMBER OF STOCK	GPD/HEAD**	USE GPD
1.			
2.			
3.			

** ANIMAL	SUGGESTED USE PER ANIMAL (GPD)
Beef Cattle or Horses .....	12
Chickens .....	0.06
Dairy Cattle .....	170 (Includes cleaning and flushing)
Hogs .....	4

Source: Roth, Crow & Mahoney, An Introduction to Agricultural Engineering, Avi Publishing, Inc., Westcourt, Conn., 1982.

**SECTION V - CONSUMPTIVE WATER USE INFORMATION (CONTINUED)**

3. AQUACULTURE (FISH FARMS): Annual water use information and table.  Not Applicable
- A. Types of fish grown:  Fin Fish  Crawfish  Other (describe) \_\_\_\_\_
- B. Pond/Tank information: Group by volume (length x width x depth from normal water elevation to pond/tank bottom) in cubic feet. Specify the number of ponds/tanks in each group with overflow pipes or culverts and list the depth from pond/tank bottom to the overflow/control elevation of the pipe or culvert.
- C. Where does overflow water discharge to? \_\_\_\_\_
- D. How many times per year are the ponds/tanks emptied? \_\_\_\_\_
- Where is the water discharged to? \_\_\_\_\_

Aquacultural Water Use Table

GROUPS	VOLUME CUBIC-FT	NUMBER OF PONDS/TANKS	NUMBER WITH OVERFLOW PIPES OR CULVERTS	DEPTH: POND BOTTOM TO PIPE/CULVERT INVERT
A.				
B.				
C.				

4. GOLF COURSES: Annual Water Use Table  Not Applicable

Golf Course Water Use Table

NUMBER OF HOLES	NET ACRES OF IRRIGATED ROUGHS/FAIRWAYS	NET ACRES OF IRRIGATED TEES & GREENS	IRRIGABLE SOIL TYPE (SCS)	IRRIGATION SYSTEM TYPE (SPRINKLER)	TOTAL PERVIOUS & IMPERVIOUS ACRES

**SECTION VI - USE OF RECYCLED AND/OR RECLAIMED WATER**

1. Is RECYCLED RUNOFF WATER (e. g., rainfall runoff) being utilized?  Yes  No  
If yes, please describe use, including average daily, maximum daily, and maximum monthly volumes.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Is RECLAIMED WATER (treated wastewater) being utilized?  Yes  No  
If yes, complete Items A - C below.

- A. Has approval been received from the Department of Environmental Protection for all existing and proposed reuse projects?  Yes  No

- B. Volumes of any RECLAIMED WATER storage ponds on site:

Pond ID	Storage Volume (gal)

**SECTION VI - USE OF RECYCLED AND/OR RECLAIMED WATER (CONTINUED)**

C. RECLAIMED WATER sources and volumes provided (attach additional sheets if necessary).

VOLUME OF RECLAIMED WATER PROVIDED (MGD AVERAGE)	Reclaimed Water Sources		
	WASTEWATER UTILITY NAME: 1.	WASTEWATER UTILITY NAME: 2.	WASTEWATER UTILITY NAME: 3.
PRESENT			
5 YEAR			
7 YEAR			
10 YEAR			
LEVEL OF TREATMENT			

**SECTION VII - REQUESTED WITHDRAWAL AMOUNTS**

1. APPLYING FOR GROUND WATER?  Yes  No

A. Total GROUND WATER amount requested (APPLY FOR TOTAL SYSTEM USAGE):

(1) Average Daily Rate of Withdrawal (ADR) \_\_\_\_\_ Gallons Per Day\*

(2) Maximum Daily Rate of Withdrawal (MDR) \_\_\_\_\_ Gallons Per Day\*\*

(3) Maximum Monthly Rate of Withdrawal (MMR) \_\_\_\_\_ Gallons Per Month

(4) Number of Consecutive Days MDR is to be pumped. \_\_\_\_\_ Days (Typically 3 days)

\* Total yearly water use divided by 365 days.

\*\* Maximum amount of water requested per 24 hours - cannot exceed system pump capacity.

B. WITHDRAWAL FACILITY

TOTAL NUMBER OF WELLS	IN USE	NOT IN USE	PROPOSED

2. APPLYING FOR SURFACE WATER?  Yes  No

A. Total SURFACE WATER amount requested (APPLY FOR TOTAL SYSTEM USAGE):

(1) Average Daily Rate of Withdrawal (ADR) \_\_\_\_\_ Gallons Per Day\*

(2) Maximum Daily Rate of Withdrawal (MDR) \_\_\_\_\_ Gallons Per Day\*\*

(3) Maximum Monthly Rate of Withdrawal (MMR) \_\_\_\_\_ Gallons Per Month

(4) Number of Consecutive Days MDR is to be pumped. \_\_\_\_\_ Days (Typically 3 days)

\* Total yearly water use divided by 365 days.

\*\* Maximum amount of water requested per 24 hours - cannot exceed system pump capacity.

B. WITHDRAWAL FACILITY

(1) Total Number of Existing Withdrawal Facilities: \_\_\_\_\_

(2) Total Number of Proposed Withdrawal Facilities: \_\_\_\_\_

(3) Name of Creek, Stream, River, Lake, or Impoundment: \_\_\_\_\_

3. Provide calculations that support the requested average daily rate (ADR), maximum daily rate (MDR), and maximum monthly rate (MMR) of withdrawals (site references, metered reports). An example for calculating water use amounts is provided on page 8.

(ADR): \_\_\_\_\_

(MDR): \_\_\_\_\_

(MMR): \_\_\_\_\_



SECTION IX - SITE WITHDRAWAL INFORMATION

1. WITHDRAWAL LOCATION

ADDRESS: \_\_\_\_\_

COUNTY, UNIT, BLOCK, LOT: \_\_\_\_\_

2. Number of acres: \_\_\_\_\_ Owned \_\_\_\_\_ Leased

3. If the application is for a multiple well system, a well 6" or larger in size, or a surface water withdrawal, then submit a United States Geological Survey 7 - 1/2 minute topographic quad map (or copy) that delineates the following items:

- A. Name of the quad map used (Example: QUINCY QUAD)
- B. Property boundaries.
- C. Approximate location of all existing AND proposed wells and/or surface water withdrawal pumps - with identification numbers (e. g. Well #1, Pump #1, etc.).
- D. Surface water management ponds used for irrigation, aquaculture, or livestock purposes.
- E. Potential impacts to wetlands MAY require the submittal of a recent aerial map having a minimum scale of 1" = 2,000 feet.

4. Provide the dimensions and volumes (acre-feet) of all surface water ponds/lakes used for irrigation, aquacultural or livestock purposes (e.g. surface acreage x average pond depth = \_\_\_\_\_ acre-feet).

SECTION X - MODIFICATION AND PERMIT COMPLIANCE

If this application is for a modification, please describe the modification requested and the reason the modification is necessary. For modification and renewal requests, describe the applicant's compliance with EACH of the conditions of the existing permit:

MODIFICATION DESCRIPTION: \_\_\_\_\_

---



---



---



---



---

PERMIT CONDITION COMPLIANCE: \_\_\_\_\_

---



---



---



---



---

SECTION XI - IMPACTS

Please attach a detailed description of the anticipated impacts on the resource and on existing legal users which could be impacted by the proposed use. The District shall require any other necessary information in accordance with the provisions of Section 40A-2.101(3), Florida Administrative Code and Chapter 373.223, Florida Statutes.

**SECTION XII - CONSERVATION**

1. Does the identified property have the following?

Soil Conservation Plan?       Yes (attached)       No       Pending

Irrigation Water Management Plan?       Yes (attached)       No       Pending

2. Provide a description of activities undertaken to conserve water and minimize off-site surface water runoff (attach additional sheets if necessary): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**SECTION XIII - APPLICANT CERTIFICATION**

I hereby certify that the information contained herein is true and accurate and that I have legal authority to undertake the activities described herein and execute this application.

Further, I authorize \_\_\_\_\_ to act as my agent for permit application coordination.

\_\_\_\_\_      \_\_\_\_\_  
 APPLICANT SIGNATURE      DATE

I hereby certify that I am the authorized agent of the applicant.

\_\_\_\_\_      \_\_\_\_\_  
 AGENT SIGNATURE      DATE

I hereby certify that the applicant has sufficient legal control of the property described in this application.

\_\_\_\_\_      \_\_\_\_\_  
 PROPERTY OWNER SIGNATURE      DATE

**APPLICANT CHECKLIST**

- |   |   |
|---|---|
| 1. Appropriate permit processing fee (check only) | <input type="checkbox"/> Attached*  |
| 2. Complete legal name was provided in Section II | <input type="checkbox"/> Provided   |
| 3. Copy of legal description (deed, lease)        | <input type="checkbox"/> Attached <input type="checkbox"/> N/A                                  |
| 4. S. C. S. conservation plan                     | <input type="checkbox"/> Attached <input type="checkbox"/> Pending <input type="checkbox"/> N/A |
| 5. S. C. S. irrigation and water management plan  | <input type="checkbox"/> Attached <input type="checkbox"/> Pending <input type="checkbox"/> N/A |
| 6. Description of Anticipated Impact(s)           | <input type="checkbox"/> Attached   |
| 7. U. S. G. S. 7 - 1/2 minute topographic map     | <input type="checkbox"/> Attached   |
| 8. Two (2) copies of all materials                | <input type="checkbox"/> Attached   |

\* All permit processing fees are non-refundable and are based upon the average daily withdrawal rate (ADR). To determine one's permit processing fee - compare the requested ADR amount(s) of Section VII to the matrix below:

AVERAGE DAILY WITHDRAWAL RATE (ADR) GALLONS	PROCESSING FEE
Less than 25,000 gallons per day, average .....	\$ 100.00
25,000 to 99,999 gallons per day, average .....	\$ 250.00
100,000 to 499,999 gallons per day, average .....	\$ 500.00
500,000 to 999,999 gallons per day, average .....	\$ 1,000.00
1,000,000 to 1,999,999 gallons per day, average .....	\$ 2,000.00
2,000,000 gallons or more per day, average.....	\$ 3,000.00
Permit Transfer.....	\$ 50.00
Temporary Permit (in addition to the fees identified above) .....	\$ 50.00

Please address all correspondence to the following address:

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
 ATTN: Consumptive Use - Division of Resource Regulation  
 152 Water Management Drive, Havana, Florida 32333-9700

Telephone: (850) 539-5999, Fax (850) 539-2693

A FARMING EXAMPLE OF WATER REQUESTED FOR WITHDRAWAL IN SECTION VI:

Using the farmer's most water intensive scenario, a farmer proposes to grow 30 acres of tomatoes in the spring followed by 30 acres of tomatoes in the fall (using a drip irrigation system under plastic).\*

CALCULATION OF TOTAL ANNUAL WATER USE REQUIREMENT:

SPRING: 30 acres x 20 inches / acre x 27,154 gallons / acre-inch ..... = 16,292,400 gallons  
FALL: 30 acres x 15 inches / acre x 27,154 gallons / acre-inch ..... = 12,219,300 gallons  
TOTAL ANNUAL WATER USE ..... = 28,511,700 gallons

AVERAGE DAILY WATER USE REQUEST (ADR):

28,511,700 gallons / year / 365 days per year ..... = 78,114 gallons per day  
ADR ..... = 78,114 gallons per day

MAXIMUM DAILY WATER USE REQUEST (MDR):

For this example, the maximum daily withdrawal amount is calculated by identifying the week of the year during which the farmer should experience the peak water use demand and by determining the daily irrigational crop requirement for this time period based on a daily irrigation schedule.

JUNE: 30 acres x 2 inches / acre x 27,154 gallons / acre-inch ..... = 1,629,240 gallons / week  
1,629,240 gallons / week / 7 days / week ..... = 232,749 gallons per day  
MDR ..... = 232,749 gallons per day

MAXIMUM MONTHLY WATER USE REQUEST (MMR):

For this example, the month with the highest water use demand occurs in June. The maximum month can vary for each farmer according to crop type, acres irrigated, irrigation method, planting schedules, etc.

JUNE: 30 acres x 7 inches / acre x 27,154 gallons / acre-inch ..... = 5,702,340 gallons  
MMR ..... = 5,702,340 gallons

FOR THIS EXAMPLE, THE FARMER SHOULD REQUEST THE FOLLOWING AMOUNTS IN SECTION VI - REQUESTED WITHDRAWAL AMOUNTS OF THE APPLICATION:

ADR = 78,000 GALLONS PER DAY  
MDR = 233,000 GALLONS PER DAY  
MMR = 5,700,000 GALLONS PER MONTH

\* The source for the estimated tomato crop water use requirements (inches of water) was from the Institute of Food and Agricultural Sciences (IFAS - Agricultural and Research Station in Quincy, Florida). Actual irrigation use may vary for any particular farmer.