



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 and maximum monthly withdrawal amounts.
- _____
- _____
- _____
2. Is RECLAIMED WATER (treated wastewater) currently being utilized?
 Yes, reclaimed water is currently being used. (Skip remainder of item 2. Complete items 3 and 4)
 No, reclaimed water is currently being used. (Complete remainder of item 2. Skip items 3 and 4.)
- Is the project located in an area that may be served with reclaimed water within the next five years? (Refer to District website: www.nwfwmd.state.fl.us for reuse availability map(s).) Yes No
- If the reuse availability maps confirm the project is within an area that may be served with reclaimed water within five years, the Applicant shall send a letter to the appropriate reuse utility and request they complete the Reuse Feasibility Information form (NFWFMD Form 174). As part of this request, the Applicant may ask the reuse utility to provide water quality data for constituents pertinent to the intended use. The Applicant may also provide additional information to the District regarding the feasibility of reuse. Attach the utility's response, including a completed Reuse Feasibility Information form (NFWFMD Form 174), to this application.
- If the reuse utility fails to respond or does not provide the information within 30 days after receipt of the Applicant's request, the Applicant shall provide the District a copy of the Applicant's written request and a statement that the utility failed to provide the requested information.

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

3. Please provide the volumes of any RECLAIMED WATER storage ponds on site:

Pond ID	Surface Area (acres)	Storage Volume (gal)

4. Please identify the RECLAIMED WATER source(s) and provide estimates of amounts that will be available to meet current and future water demands on an annual average basis.

Reuse Utility Name	Present Average Daily Use (gal)	5 Years Average Daily Use (gal)	10 Years Average Daily Use (gal)	15 Years Average Daily Use (gal)	20 Years Average Daily Use (gal)

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 |

* 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.