

# SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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(352) 796-7211 or 1-800-423-1476 (FL only)  
TDD only: 1-800-231-6103 (FL only)

## DOVER/PLANT CITY WATER USE CAUTION AREA SUPPLEMENTAL FORM

Other than applicants to renew their water use permit (WUP) with no changes, or applicants for partial or full transfer of a WUP, this form must be completed by any water use permit (WUP) applicant that has at least one withdrawal point located in the Dover/Plant City Water Use Caution Area (Dover/Plant City WUCA), pursuant to Rule 40D-2.801(3)(d)1. and 3. Florida Administrative Code (F.A.C.). Submit an original of this form with one copy of all attachments.

A portion of the Southern Water Use Caution Area (SWUCA) is also in the Dover/Plant City WUCA, and in this portion, the requirements of the Dover/Plant City WUCA are in addition to those of the SWUCA.

**The information required on this form is requested in accordance with  
Chapter 373, Florida Statutes (F.S.) and Rules 40D-2.091, 40D-2.101 and 40D-2.301, F.A.C.**

Answer all questions. If a question is not applicable to your situation, enter **N/A**. If more space is needed, attach additional sheets and refer to the application question number. Provide documentation and references where appropriate.

*Guidance and information to assist the applicant in the completion of this form are shown in italics.*

*Complete the appropriate WUP Application Form (Small General, General, Individual, or Mining and Dewatering Materials Other Than Phosphate), and the Small General WUP Application Use Type Attachments or General and Individual WUP Application Use Type Supplemental Forms before completing this form in order to determine demand. There are five Use Type categories: (1) Agriculture, (2) Public Supply, (3) Mining or Dewatering (phosphates), (4) Industrial or Commercial, and (5) Recreation or Aesthetic.*

**Applicant:** \_\_\_\_\_  
(Same as shown on WUP application)

**WUP Number :** \_\_\_\_\_  
(If this application is to renew or modify an existing WUP)

### PART I. SELF-RELOCATION

**Self-Relocation:** This is a process that allows new or increased frost/freeze protection (FFP) withdrawals in the Dover/Plant City WUCA without becoming categorized as "New Quantities" (explained in PART III). A permittee can move all or a portion of their permitted FFP quantities to a new location or locations owned or controlled by the same permittee, provided withdrawal of the FFP quantities at the new location(s) meets all permitting rule criteria, and the net impacts to the Minimum Aquifer Protection Zone of the Dover/Plant City WUCA are not increased. There cannot be a change in ownership, control, Use Type category or an increase in quantities. Any change in Use Type category or increase in frost/freeze protection quantities becomes New Quantities and is not a Self-Relocation.

1. Is this application for Self-Relocation?  Yes  No
2. If Yes, what is the WUP Number of the originating permit? \_\_\_\_\_

An application for self-relocation involves the originating WUP and a new or modified WUP at the new site. Because of this relationship, if this application is approved, the originating WUP will be modified by the District to reflect the self-relocation at the same time this WUP is issued. ***As such, this application is deemed to include a request to modify the originating WUP if the Self-Relocation is authorized. Do you agree?***  Yes  No

*For applications for Self-Relocation, answer the questions in Part II with respect to the originating WUP and with respect to the self-relocation site in Part III.*

## PART II. DEMONSTRATION OF HISTORIC REASONABLE WATER NEEDS

*Because of the existing frost/freeze protection impacts to the water resources in the Dover/Plant City WUCA, the historic reasonable-beneficial frost/freeze water use for all applicants is closely evaluated by the District.*

### SECTION A – EXCLUSION

Skip to **PART III, NEW QUANTITIES** if any of the following apply:

- This is an application for less than 100,000 gpd demand (including groundwater, non-alternative water supply surface water, and alternative water supplies) on an average annual basis.
- This is an application for a new WUP.

### SECTION B – HISTORICAL USE OF PERMITTED QUANTITIES

**Historic acreage that was protected from cold damage by use of pumping groundwater.**

The District will use the historic acreage under cultivation to evaluate historical frost/freeze protection use.

- If there is additional information that the applicant wants to submit to show historic frost/freeze use, check here and include the information in an attachment.
  - Attached

## PART III. NEW QUANTITIES

*"New Quantities" in the Dover/Plant City WUCA refers to frost/freeze protection (FFP) quantities. New Quantities means water that is not currently authorized to be withdrawn by the applicant or not currently authorized to be used for the intended use by the applicant. This includes applications to modify existing permits to increase FFP quantities, applications to change the Permit Use Type category (affecting only the modified portion), and applications for an initial permit for FFP quantities. A modification to change crops or plants grown under an Agricultural Permit or to change a withdrawal location or Use Type category that is authorized by the terms of the permit or site certification at the time of issuance, is not a change in Permit Use Type category, provided that the frost/freeze protection quantities do not increase.*

*This section is designed to assist the applicant to recognize if any quantities on this application are considered New Quantities in the Dover/Plant City WUCA.*

### SECTION A – EXCLUSIONS

**1. Pre-mining Use Type Category** - When land is mined and the land will be returned to the Use Type category operation authorized under the Water Use Permit that existed prior to mining, such activity does not constitute a change in Use Type category. Quantities for the returned Use Type will be considered relevant to those that were previously permitted for that Use Type.

Is this water use permit application to return to the previously permitted Use Type Category for quantities equal to or less than those previously permitted for the Use Type?

- Yes - **Skip to PART III, IMPACTS TO THE MINIMUM AQUIFER LEVEL PROTECTION ZONE.**
- No - **Continue to SECTION B**

**2. Re-permitting Previously Unused Quantities** - Previously unused permitted quantities are not considered New Quantities on a renewal permit.

Are the only quantities on the application those that were previously permitted for the same Use Type?

- Yes - Skip to **PART III, IMPACTS TO THE MINIMUM AQUIFER LEVEL PROTECTION ZONE**
- No - **Continue to SECTION B**

**3. Application for a straight renewal** – For the purposes of this form, if all of the following situations pertain to this application, the application is considered a straight renewal and does not include New Quantities.

- a. There will be no change in water use withdrawal location(s),
  - b. There will be no increase in water quantities per Use Type category, and
  - c. There will be no increase in maximum daily withdrawal quantities for frost/freeze protection (FFP) of crops or aquaculture.
- Yes, all the above conditions pertain to this application. **Skip to PART III, IMPACTS TO THE MINIMUM AQUIFER LEVEL PROTECTION ZONE**
  - No. **Continue to SECTION B.**

**SECTION B – CALCULATION OF NEW QUANTITIES**

*Completion of this section requires that the application form and pertinent Use Type category Supplemental Form(s) be completed in order for the applicant to have calculated proposed cold protection (FFP) quantities for all proposed Use Type categories.*

1. Sum the proposed FFP quantities for all uses from the “Water Use Permit Application Supplemental Form - Agriculture” or the “Small General Water Use Permit Application - Agriculture Attachment”

Proposed Total FFP Quantities: \_\_\_\_\_ gpd

2. Enter the Existing Total FFP Quantities on the permit being modified: \_\_\_\_\_ gpd (Enter zero if this is an application for a new WUP.)
3. Subtract No. 2 from No. 1: \_\_\_\_\_ gpd. A positive value are New Quantities.

If proposed FFP quantities are greater than existing FFP quantities, an impact assessment to the Minimum Aquifer Level Protection Zone is required, and the applicant must proceed to PART III below. If there are no New Quantities, the applicant is finished with this form.

**PART III. IMPACTS TO THE MINIMUM AQUIFER LEVEL PROTECTION ZONE**

See Chapter 4, Section 4.3 C. of the Basis of Review.

**MINIMUM AQUIFER LEVEL PROTECTION ZONE**

A **Minimum Aquifer Level Protection Zone** has been established within the Dover/Plant City WUCA that is based on the 30 ft. drawdown contour for the January 2010 frost/ freeze event. This area is shown on the map attached to this form. A map depicting the Minimum Aquifer Level Protection Zone boundary in detail is available online from the District Mapping and GIS Section. The ArcView shapefile is also available for download under *GIS Data*.

**IMPACT ASSESSMENT TO THE MINIMUM AQUIFER LEVEL PROTECTION ZONE**

1. A groundwater flow model must be provided that shows the impacts caused by New Quantities on the Minimum Aquifer Level Protection Zone based on a frost/freeze design event having five stress periods: initially 21 hours of irrigation, followed consecutively by 6 hours of non-irrigation, 13 hours of irrigation, 11 hours of non-irrigation and by 14 hours of irrigation.
- Attached

2. The maximum predicted drawdown impact at the Minimum Aquifer Level Protection Zone contour is \_\_\_\_\_ feet NGVD at the end of stress period 5.
3. Predicted FFP impacts that exceed 0.0 foot drawdown at the Minimum Aquifer Level Protection Zone will not be permitted. If the predicted drawdown exceeds 0.0 foot, at the Minimum Aquifer Level Protection Zone, the applicant may choose to implement alternative FFP methods or provide one or more of the Net Benefit options listed in the next PART IV below in order to mitigate the predicted impacts.

## PART IV. NET BENEFIT

### NET BENEFIT - New Quantities

Where New Quantities are proposed for FFP that impact the Minimum Aquifer Level Protection Zone (as described in Part III), the applicant must undertake an activity that results in a net 20% reduction in impact on the Zone. This net reduction in impact is termed a Net Benefit. The types of activities that can be used to provide a Net Benefit are described in the "Net Benefit Supplemental Form - Dover/Plant City Water Use Caution Area" (Form No. LEG-R.051.00 (12/10)). Where a Net Benefit is needed, this form must be completed and attached to the application. Note that if a Net Benefit is needed, it must be accomplished prior to the withdrawal of the New Quantities that would otherwise have impacted the Zone. Check the appropriate box below and provide the attachment if needed.

- Net Benefit Supplemental Form – Dover/Plant City WUCA (Form LEG-R.051.00 (12/10) attached.
- N/A – Impacts are not predicted.



