

Apply for Water Use: Requested Water Use

- Complete the information in each land use tab to provide requested water use details.
- Specific guidance on completing the information for each land use are on the pages listed below.
- Once all requested water use details are entered, click the 'Next' button.

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AGRICULTURAL

Step 1: Attach a description of the agricultural operation, pursuant to Subsection 2.5 of the CFWI-SAH (for projects in Orange, Osceola, and Polk counties) and Subsection 2.3.2.A of the Applicant's Handbook. If any crops are rotated or double or triple cropped on the same or different parcels, describe the rotation or multiple crop cycle.

For proposed citrus projects. the accepted irrigation methodology is a micro-irrigation system such as drip, micro-sprinkler, or other system capable of meeting the equivalent irrigation system efficiency of a micro-irrigation system, pursuant to Subsection 2.3.1.C.2.c.i of the Applicant's Handbook and Section 2.5.1.1.C of the CFWI-SAH.

Allocations shall be considered the amount of supplemental irrigation required during a 2-in-10 year drought rainfall event for agricultural irrigation projects in Orange, Osceola, and Polk Counties (Section 2.5.1.1.A of the CFWI-SAH) and during a 1-in-10 year drought rainfall event for agricultural irrigation projects in all other counties (Subsection 2.3.1.C of the Applicant's Handbook).

Step 2: Enter the parcel details for the project's iririgated areas.

- Click 'Add Item' to add a parcel.
- Enter a parcel name.
- Select the appropriate rainfall station.
- Enter the number of acres irrigated on the parcel ('Parcel Irrigated Acres').

Step 3: Enter the crop details for each parcel.

- Click 'Add Item' to enter crop details for the above parcel.
- Enter the crop details.
- To enter additional crops for the parcel, click the 'Add' button.
- When all crops are entered for the parcel, click the 'Submit' button.
- Once all crop details are entered, click the 'Submit' button.
- To edit a row of crop details, double click on the row to open the 'Crop Details' window.

To obtain the nearest rainfall station for parcels and the soil type for crops, click on the county map at the link below:

Blaney Rainfall/Net Depth Maps

AQUACULTURE

Step 1: In the "Attach Documents" tab, attach the following information pursuant to Section 2.5.3 of the CFWI-SAH (for projects in Orange, Osceola, and Polk counties) and Subsection 2.3.2.A.5.b of the Applicant's Handbook (for projects in all other counties):

- A description of the aquaculture operation, including the number and description of animal species, number and volume of ponds and tanks and their filling and recirculation requirements, and other factors that may contribute to maintaining necessary water levels or water quality
- A description of methodology used to calculate the requested allocations (i.e., historical use, water budget calculations, etc.)

Step 2: Enter aquaculture details.

- Click 'Add Item' to enter aquaculture details.
- Select the withdrawal source. If the source is not listed, it must be added in the 'Facility Details' section.
- Enter the requested annual and max monthly water volumes. The average daily water volume will automatically populate.
- To add additional aquaculture details, click the 'Add' button. Once all aquaculture details are entered, click the 'Submit' button.
- To edit a row of aquaculture details, double click on the row to open the details window.

AQUIFER STORAGE AND RECOVERY

Complete the information below to provide requested allocations (Subsection 2.3.2.G of the Applicant's Handbook).

- Click 'Add Item' to enter aquifer storage and recovery details.
- Enter the facility name, source of stored water, storage aquifer name, recovery water destination, withdrawal volumes, and injected volumes.
- To add additional aquifer storage and recovery details, click the 'Add' button. Once all aquaculture details are entered, click the 'Submit' button.
- To edit a row of aquifer storage and recovery details, double click on the row to open the details window.

COMMERCIAL/INDUSTRIAL

Step 1: In the "Attach Documents" tab, attach the following information for commercial/industrial water use pursuant to Section 2.3 of the CFWI-SAH (for projects in Orange, Osceola, and Polk Counties) and Subsection 2.2.3.D of the Applicant's Handbook (for projects in all other counties):

- Water use purpose and the industrial activity being performed
- Description of the methodology used to calculate the requested water volumes (i.e., historical use, water budget calculations, etc.)
- Water conservation plan
- Water balance for operation, including all sources of water and losses of water utilized in production processes

Step 2: Complete the information below to provide requested allocations.

- Click 'Add Item' to enter commercial/industrial details.
- Select the commercial/industrial description.
- Select the withdrawal source. If the source is not listed, it must be added in the 'Facility Details' section.
- Enter the requested annual and max monthly water volumes. The average daily water volume will automatically populate.
- To add additional commercial/industrial details, click the 'Add' button. Once all aquaculture details are entered, click the 'Submit' button.
- To edit a row of commercial/industrial details, double click on the row to open the details window.

DEWATERING

Step 1: Complete the information below to provide dewatering details.

- Select the datum for the max depth of excavation and max depth of dewatering elevations.
- Click 'Add Item' to enter dewatering details.
- Select the dewatering description and withdrawal source. If the source is not listed, it must be added in the 'Facility Details' section.
- Enter the number of active dewatering days, pumping volumes, and elevations for the selected description.
- To add additional dewatering details, click the 'Add' button. Once all dewatering details are entered, click the 'Submit' button.
- Select if the application is for a "master" dewatering permit.
- Click the 'Next' button.

Step 2: In the 'Attach Documents' tab, attach the following information pursuant to Section 2.4 of the CFWI-SAH (for mining dewatering projects in Orange, Osceola, and Polk Counties) and Subsection 2.3.2.B of the Applicant's Handbook (for all construction dewatering projects and mining dewatering projects in all other counties):

Narrative -

- Description of dewatering activities (why is dewatering necessary, what dewatering and excavation methods will be used, number of pumps, duration/phases of dewatering activities, and calculations of pumpage volumes)
- Routing and storage of dewatering effluent (discharge water)
- Methods that will be implemented to mitigate turbidity and prevent hydrologic impacts
- Operational plan which describes how stormwater will be managed during dewatering operations

Maps/Plans -

- Dewatering plan that shows where dewatering activities will occur, including routing, storage, and discharge of effluent
- If discharging effluent off-site, attach the following:
 - turbidity monitoring plan and turbidity monitoring points (background and upstream in the receiving waterbody) labeled on a map/dewatering plan
 - discharge approval from the entity where effluent will be discharged
 - if effluent will be routed to drainage/injection wells, a copy of the Florida Department of Environmental Protection (FDEP) Class V application or approval
- Label wetlands, existing legal users, contamination/pollution sources, nearest saline water source, and groundwater augmentation points
- Show the areal extent of the drawdown of the aquifer (include calculations and radius of influence)
- Profiles (cross-sections) of the dewatering operations to include land surface elevations and average and maximum depths for excavations and dewatering
- All final plans, calculations, analyses, or other geologic/engineering documents submitted as part of a permit application are required to be certified by signing and sealing by an appropriate registered professional
- If dewatering will occur in a right-of-way (ROW) or on property that has a different owner, approval for dewatering from that property owner is required. If dewatering will occur on property owned by a municipality, proof of application for authorization for dewatering to occur can be submitted if the approval has not been finalized.
- If dewatering will occur near the presence of contamination, approval for dewatering will be required from the county and/or FDEP.

DIVERSION AND IMPOUNDMENT

Step 1: Complete the information below to provide requested allocations.

- Click 'Add Item' to enter diversion and impoundment details.
- Select the withdrawal source. If the source is not listed, it must be added in the 'Facility Details' section.
- Enter the requested annual and max monthly water volumes. The average daily water volume will automatically populate.
- To add additional diversion and impoundment details, click the 'Add' button. Once all diversion and impoundment details are entered, click the 'Submit' button.
- To edit a row of diversion and impoundment details, double click on the row to open the details window.

Step 2: In the 'Attach Documents' tab, attach the following information, as applicable (Subsection 2.3.2.C of the Applicant's Handbook):

- A description of the methodology used to calculate the requested water amount (i.e., historical use, water budget calculations, other similar facilities, etc.)
- The extent (length, cross section, and depth) of the canal network used to deliver the associated water
- Land use classifications within the serviced area
- Surface water demands directly withdrawn for the system
- Seepage losses
- Water necessary to maintain groundwater elevations for the purpose of aquifer recharge and saltwater intrusion prevention
- Evaporation losses from the canal surfaces
- Established control elevations during 1-in-10 year drought events
- Copy of executed agreements with dependent secondary users
- Historic use (permit renewal with no changes)
- Canal locations with established wet and dry season control elevations
- A map identifying the location of all secondary users of the system, including irrigated acreage and land use type
- Water conservation requirements in Subsection 2.0 of the Applicant's Handbook

DIVERSION AND IMPOUNDMENT SECONDARY USER

For independent secondary use permits within a diversion and impoundment system, the permit duration will not exceed the expiration date of the associated diversion and impoundment permit.

Step 1: In the 'Attach Documents' tab, attach the following information pursuant to Subsection 2.3.2.C.2 of the Applicant's Handbook:

- A description of the methodology used to calculate the requested water use volumes (i.e., historical use, water budget calculations, etc.)
- Documentation showing the name of the diversion and impoundment system, that the applicant has legal access to the diversion and impoundment system, and demonstration that the secondary user will not cause the diversion and impoundment permittee to exceed its permit allocation

Step 2: Complete the information below to provide requested allocations.

- Click 'Add Item' to enter diversion and impoundment secondary user details.
- Select the withdrawal source. If the source is not listed, it must be added in the 'Facility Details' section.
- Enter the requested annual and max monthly water volumes. The average daily water volume will automatically populate.
- To add additional diversion and impoundment secondary user details, click the 'Add' button. Once all diversion and impoundment secondary user details are entered, click the 'Submit' button.
- To edit a row of diversion and impoundment secondary user details, double click on the row to open the details window.

GOLF COURSE

Allocations shall be considered the amount of supplemental irrigation required during a 2-in-10 year drought rainfall event for irrigation projects in Orange, Osceola, and Polk Counties (Section 2.5.1.1.A of the CFWI-SAH) and during a 1-in-10 year drought rainfall event for irrigation projects in all other counties (Subsection 2.3.1.C of the Applicant's Handbook).

Step 1: Enter the parcel details for the project's iririgated areas.

- Click 'Add Item' to add a parcel.
- Enter a parcel name.
- Select the appropriate rainfall station.
- Enter the number of acres irrigated on the parcel ('Parcel Irrigated Acres').

Step 2: Enter the crop details for each parcel.

- Click 'Add Item' to enter crop details for the above parcel.
- Enter the crop details.
- To enter additional crops for the parcel, click the 'Add' button.
- Once all crop details are entered, click the 'Submit' button.
- To edit a row of crop details, double click on the row to open the 'Crop Details' window.

To obtain the nearest rainfall station for parcels and the soil type for crops, click on the county map at the link below:

Blaney Rainfall/Net Depth Maps

LANDSCAPE/RECREATION

Allocations shall be considered the amount of supplemental irrigation required during a 2-in-10 year drought rainfall event for irrigation projects in Orange, Osceola, and Polk Counties (Section 2.5.1.1.A of the CFWI-SAH) and during a 1-in-10 drought rainfall event for irrigation projects in all other counties (Subsection 2.3.1.C of the Applicant's Handbook).

Step 1: Enter the parcel details for the project's iririgated areas.

- Click 'Add Item' to add a parcel.
- Enter a parcel name.
- Select the appropriate rainfall station.
- Enter the number of acres irrigated on the parcel ('Parcel Irrigated Acres').

Step 2: Enter the crop details for each parcel.

- Click 'Add Item' to enter crop details for the above parcel.
- Enter the crop details.
- To enter additional crops for the parcel, click the 'Add' button.
- Once all crop details are entered, click the 'Submit' button.
- To edit a row of crop details, double click on the row to open the 'Crop Details' window.

To obtain the nearest rainfall station for parcels and the soil type for crops, click on the county map at the link below:

Blaney Rainfall/Net Depth Maps

LIVESTOCK

Complete the information below to provide requested allocations (Subsection 2.5.2 of the CFWI-SAH (for projects in Orange, Osceola, and Polk counties) and Subsection 2.3.2.A.5.a of the Applicant's Handbook).

- Click 'Add Item'; the 'Livestock Details' window will open.
- Select the livestock description (type of animal)
- Select the withdrawal source. If the source is not listed, it must be added in the 'Facility Details' section.
- Enter the livestock count for the selected description.
- The 'Demand Per Livestock' and water volumes will automatically populate.
- To add additional livestock details, click the 'Add' button. Once all livestock details are entered, click the 'Submit' button.
- To edit a row of livestock details, double click on the row to open the details window.

NURSERY

Step 1: In the 'Attach Documents' tab, attach a description of the crop types to be grown (also indicate types of plants grown, if the plants are in the open air or in a greenhouse, irrigation method and system used, number of acres planted in the ground and in containers in the greenhouse).

For proposed and existing container nursery projects in Orange, Osceola, and Polk Counties, and for proposed nursery projects in all other counties, the accepted irrigation methodology is a micro-irrigation system, overspray irrigation water recovery system, or other specific design elements capable of achieving the equivalent efficiency of a micro-irrigation system, pursuant to Section 2.5.1.1.D of the CFWI-SAH and Subsection 2.3.1.C.2.c.ii of the Applicant's Handbook.

Allocations shall be considered the amount of supplemental irrigation required during a 2-in-10 year drought rainfall event for nursery irrigation projects in Orange, Osceola, and Polk Counties (Section 2.5.1.1.A of the CFWI-SAH) and during a 1-in-10 year drought rainfall event for nursery irrigation projects in all other counties (Subsection 2.3.1.C of the Applicant's Handbook).

Step 2: Enter the parcel details for the project's iririgated areas.

- Click 'Add Item' to add a parcel.
- Enter a parcel name.
- Select the appropriate rainfall station.
- Enter the number of acres irrigated on the parcel ('Parcel Irrigated Acres').

Step 3: Enter the crop details for each parcel.

- Click 'Add Item' to enter crop details for the above parcel.
- Enter the crop details.
- To enter additional crops for the parcel, click the 'Add' button.
- Once all crop details are entered, click the 'Submit' button.
- To edit a row of crop details, double click on the row to open the 'Crop Details' window.

To obtain the nearest rainfall station for parcels and the soil type for crops, click on the county map at the link below:

Blaney Rainfall/Net Depth Maps

PUBLIC WATER SUPPLY

Step 1: Complete the information below to provide requested allocations.

- Use the 'Utility' drop down list to describe if the project is a public water supply utility.
- Select the type of water conservation plan.
- Enter the service area name, raw water per capita use rate, end of permit population, and maximum month to average month peaking ratio.

Step 2: Click 'Add Item' to enter public water supply details.

- Select the withdrawal source. If the source is not listed, it must be added in the 'Facility Details' section.
- Enter the requested annual and max monthly water volumes. The average daily water volume will automatically populate.
- To add additional public water supply details, click the 'Add' button. Once all public water supply details are entered, click the 'Submit' button.
- To edit a row of public water supply details, double click on the row to open the details window.

Step 3 (for Individual permits): In the 'Attach Documents' tab, attach the following information pursuant to Section 2.2 of the CFWI-SAH (for projects in Orange, Osceola, and Polk Counties) and Subsection 2.3.2.F of the Applicant's Handbook (for projects in all other counties):

- Past and projected water use demands
- Water conservation plan
- Description of the treatment method by plant, percent of product (usable water), percent of reject (unusable water), and the manner in which reject water will be disposed
- Description of the methodology used to develop water use demand projections
- Additional information supporting raw per capita daily water use greater than 200 gallons per capita, per day
- Quantity of water delivered to each end user (average and peak day) and the duration of the water service delivery for those utilities which provide water to other entities through large user's agreements or other similar contracts
- Volume of water historically purchased (or contracted to be purchased for proposed uses) for both an average and maximum daily basis, and the duration of the contract for those utilities which purchase supplemental water from another utility
- Description of the typical wellfield operation schedule, including source and/or facility specific allocations if applicable. Identify which wells are primary, secondary (peaking), and stand-by, and describe the well rotation schedule
- Map showing the distribution area boundary where service is currently being provided and where the utility is proposing to provide service during the permit duration

For public water supply utilities that control either directly or indirectly a wastewater treatment plant, and which have determined, in accordance with Section 403.064, Florida Statutes (F.S.) that use of reclaimed water is feasible, attach the following reclaimed water documentation in the 'Attach Documents' tab:

Existing reuse feasibility study or plan applicable to the utility's service area; the schedule of implementation for reuse, including any available information regarding areas to be served, construction of reclaimed water distribution lines and associated capacities; the amount of presently uncommitted reclaimed water supply that is currently generated and is projected to be generated by the treatment plant over the duration of the permit; and information regarding whether or not a local ordinance concerning use of reclaimed water has been enacted pursuant to Chapter 125 or Chapter 180, F.S., which establishes a mandatory reclaimed water zone. Information should include a copy of the ordinance and applicable maps or legal description that delineates the zone.