

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WATER USE PERMIT APPLICATION FORM (RC-1A, RC-1W, RC-1G) For all water uses EXCEPT dewatering for mining or construction

General and Specific Authority, Chapter 373, State Statutes, 40E-20 Florida Administrative Code
and Basis of Review, Vol III, South Florida Water Management District.

A. GENERAL INFORMATION

1. Name of Owner, Responsible Entity, etc.

Name: FMFA/KUA

Project Name: Cane Island Power Park - Unit 4

Address:

City: **County:** **State:** FL **ZIP:**

Phone: **Cell Phone:** **Fax:** **E-mail:**

2. Proof of Ownership is required, in the form of a Deed, tax certificate, lease, or Articles of Incorporation

ATTACH Proof of Ownership to this Form See Attachment A

3. Name of Engineer, Contractor or Other.

Name: Ken Weiss, P.E.

Firm: Black & Veatch

Address: 10751 Deerwood Park Blvd, Suite 130

City: Jacksonville **County:** Duval **State:** FL **ZIP:** 32256

Phone: 904-997-7117 **Cell Phone:** **Fax:** 904-641-7860

4. If the above person(s) filling out this form will sign this Application on behalf of the owner, a letter of authorization signed by the owner, stating they are acting on behalf of the owner, must be submitted.

ATTACH Letter of Authorization to this form

5. Is this a New Permit ☐ Renewal/Modification/Expired ☒ **Permit No.:** PA 98-38

6. Amount of water applied for: See Attachment C gallons per day

7. Has a Surface Water Management Permit or Environmental Resource Permit from the District been issued for this Project? **SWM / ERP Permit No.:** No
or has a Surface Water Management Permit or Environmental Resource Permit from the District been applied for? **SWM / ERP Application No.:** No

8. A fee of \$3650 is required to process this Application. See Chapter 40E-1.607, F.A.C. for fee schedule.

ATTACH Application fee to this Form Not Applicable

9. Please Identify any District Staff member you have discussed this Application with: **N o n e**

B. LOCATION OF THE PROPERTY

1. General Location of the Property/Project

County: Osceola **City:** Intercession City

Sections 29&32

Township (s) 25 **Range (s)** 28 (or Land Grant Name)

2. It will be necessary to submit two drawings to be used as exhibits for this Permit.

a. **Location Map**, (8 $\frac{1}{2}$ x 11), showing location of the project in relation to major roads.

b. **Site Map**, (8 $\frac{1}{2}$ x 11) locating project in relation to adjacent streets, canals and water bodies, and showing property boundaries, buildings, on-site lakes/ponds and the location of pumps and wells.

ATTACH Location Map and Site Map to this Form See Attachment D and E

sfwmd.gov

C. WATER SOURCE and WATER USE TYPE

Please indicate the source of water.

☒ **Groundwater from an underground aquifer:**

Aquifer Name (if known): Floridan

**ATTACH
Table A for Wells
to this form**

☐ **Surface water: Not Applicable**

☐ **Onsite Lake/Pond**

☐ **Onsite Ditch/Canal**

☐ **Adjacent Lake/Open Water, Name:**

☐ **Adjacent Canal, Name:**

**ATTACH
Table B for Pumps
to this Form**

Type of water use (Please check at least one)

☐ **Agricultural Irrigation**

☐ **Landscape Irrigation**

☐ **Golf Course Irrigation**

☐ **Public Water Supply**

☒ **Industrial/Commercial**

☐ **Aquaculture**

☐ **Aquifer Storage/Recovery (ASR)** ☐ **Other (Please describe):**

D. IRRIGATION WATER USE Not Applicable

1. Is this permit for irrigation? ☐ **Landscape** ☐ **Golf** ☐ **Agriculture - Crop type:**
What is the **Total Project Acreage:** **Irrigated Acreage:**

ATTACH Table D for Crop Information to this Form

2. Applications for golf or landscape irrigation in excess of 500,000 gallons per day require a water conservation plan as explained in Section 2.3.1 of the Basis of Review.

ATTACH, if needed, a water conservation plan for golf or landscape irrigation

E. PUBLIC WATER SUPPLY WATER USE Not Applicable

1. Is this permit for Public Water Supply?

Maximum gallons per month needed:

Average gallons per day:

Permit Duration requested:

Years

2. A map of the service area for the utility, (8¹/₂ x 11) showing boundaries of service, water treatment plants, storage facilities, the location of all production and monitor wells is required.

ATTACH Location Map and Service Area Map to this Form

3. For public water supplies using more than 100,000 gallons per day, applicants must meet criteria and identify the demand for each use/component including number, type and size of service connections; past pumpage, projected population data, future expected pumpage, water treatment method and losses and other specific data as identified in Section 2.1 and 2.6 of the Basis of Review. Tables F (past water use), Table G (projected water use) and Table I (treatment method and losses) must be submitted.

ATTACH water supply demand computations and Tables F, G and I to this Form

4. For public water supplies using more than 100,000 gallons per day, other necessary information requirements may include if applicable: explanations of per-capita greater than 200 GPD, water supply system interconnections, water received from or distributed to other entities, and aquifer storage and recovery. Please submit Tables H (for per capita use greater than 200 GPD), Table J (ASR), Table K (interconnections), and Table E (water received from or distributed to other entities) if necessary.

ATTACH, if needed, Tables H, J, K and E to this Form

5. Applications for public water supply in excess of 500,000 gallons per day require a water conservation plan as explained in Section 2.6.1 of the Basis of Review.

ATTACH, if needed, a water conservation plan for public water supply to this Form

F. INDUSTRIAL, COMMERCIAL AND OTHER WATER USES

1. *Is this permit for Industrial/Commercial?* **Nature of the Business:** Electric Generation

Maximum gallons per month needed: See Attachment C

Average gallons per day needed: 134,000 gpd

2. *Industrial/commercial applicants using more than 100,000 gallons per day must provide information on the water balance for the operation, including all sources of water and losses of water for processes, personal/sanitary needs, treatment losses and unaccounted uses. A flow chart for the water balance should be submitted.*

ATTACH water balance and flow chart to this Form See Attachment B

3. *For uses other than Irrigation, Public Water Supply, Industrial or Commercial, but excluding mining/dewatering (Air conditioning, pool heating, mitigation, etc.):* **Not applicable**

Describe Water Needs:

Maximum gallons per month needed:

Average gallons per day needed:

ATTACH a written explanation and calculations used to determine the amount of water you need

4. *Applications for industrial, commercial and other water uses in excess of 500,000 gallons per day require a water conservation plan as explained in Section 2.4.1 of the Basis of Review.*

ATTACH, if needed, a water conservation plan for industrial, commercial or other water supply See Attachment B

G. ADDITIONAL REQUIREMENTS IF YOU ARE USING MORE THAN 100,000 GALLONS PER DAY

1. *The withdrawal of water must not cause harm to sensitive areas, wetlands or saline water intrusion. It may be necessary to supply modeling to address impacts of the water use.*

ATTACH, if needed, modeling or documentation on environmental impacts to this Form See Attachment B

2. *All applicants withdrawing water in proximity to saline surface or ground water, or withdrawing saline water that may come in contact with fresh surface or ground water, are required to develop a saline water monitoring program as described in Section 4.2 of the Basis of Review.*

ATTACH, if needed, a saline water monitoring program Not Applicable

3. *Except for Public Water Supply, reclaimed water must be used when readily available, unless it is not environmentally, technically or economically feasible to do so, as explained in Section 3.2.3 of the Basis of Review.*

ATTACH, if needed, an evaluation of the feasibility of using reclaimed water and a letter from your local utility regarding their availability of reclaimed water to this Form See Attachment C

4. *An aerial photograph of the entire project site is required.*

ATTACH an aerial photograph See Attachment G

5. *Section 4.1 of the Basis of Review requires all wells and pumps be equipped with a calibrated meter or other acceptable water use accounting method.*

ATTACH calibration reports of the water use accounting method for each well and pump See Attachment H

H. ATTACHMENTS

Please make sure you have included the following attachments with your Application:

- | | |
|--|--|
| ☒ Proof of Ownership | ☒ Table A for Wells |
| ☐ Letter of Authorization (where required) | ☐ Table B for pumps |
| ☒ Location Map | ☐ Application Fee |
| ☒ Site Map | |

For **Irrigation water use**, also make sure you have included the following attachments:

- | | |
|--|---|
| ☐ Table D for crop information | ☐ Water conservation plan (if needed) |
|--|---|

For **Public Water Supply water use of more than 100,000 gallons per day**, also make sure you have included the following attachments:

- | | |
|---|--|
| ☐ Table F for past water use | ☐ Table I for treatment method and losses |
| ☐ Table G for projected water use | ☐ Table J for ASR well operations (if needed) |
| ☐ Table H for projected water use greater than 200 gpcd (if needed) | ☐ Table K for interconnections (if needed) |
| ☐ Water conservation plan (if needed) | ☐ Table E for water received from or delivered to other entities (if needed) |
| ☐ Service Area Map | |

For **Industrial water use of more than 100,000 gallons per day**, also make sure you have included the following attachments:

- | | |
|---|---|
| ☒ Water balance and flow chart | ☐ Water conservation plan (if needed) |
|---|---|

For **Commercial or other water use** that is not irrigation, public water supply, or industrial, also make sure you have included the following attachments:

- ☐ **Explanation of how you determined the amount of water you need**
- ☐ **Water conservation plan (if needed)**

Attachments for additional special requirements

- ☐ **Saline Water Monitoring Plan**
- ☐ **Feasibility evaluation of reclaimed water use**
- ☒ **Aerial Photograph**
- ☐ **Letter from reclaimed water utility**
- ☒ **Modeling or documentation of impacts of water use**
- ☒ **Reports of calibration of water use accounting method for wells and pumps**

I. CERTIFICATION

I hereby certify that, to the best of my knowledge, the total project acreage listed above is owned or controlled by me and encompasses the project referenced in this permit application. In addition, I agree to provide entry to the project site for South Florida Water Management inspectors with proper identification or documents as required by law for the purpose of making analyses of the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work if a permit is granted. If I do not use the water for which this permit is issued within two years the permit may be revoked. If this application is not complete within 240 days, it may be denied pursuant to Rule 40E-1.603, Florida Administrative Code.

Print: **Name of Owner or Authorized Agent** **Title**

Signature: _____