

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION/

WATER MANAGEMENT DISTRICTS/

U.S. ARMY CORPS OF ENGINEERS

JOINT APPLICATION FOR

ENVIRONMENTAL RESOURCE PERMIT/

**AUTHORIZATION TO USE
STATE OWNED SUBMERGED LANDS/**

FEDERAL DREDGE AND FILL PERMIT

INSTRUCTIONS FOR JOINT APPLICATION FOR ENVIRONMENTAL RESOURCE PERMIT/AUTHORIZATION TO USE STATE OWNED SUBMERGED LANDS/FEDERAL DREDGE AND FILL PERMIT

INTRODUCTION

Attached is a joint application for:

- 1) activities regulated under Part IV of Chapter 373, F.S.;
- 2) activities which require authorization to use state owned submerged lands; and
- 3) activities which require a federal dredge and fill permit.

Certain activities may qualify for an exemption. If an activity qualifies for an exemption, an application is not required, although the use of this application form is the most expeditious way for the agencies to make the determination that the activity qualifies for an exemption. Attachment 2 lists activities and type of permit required for each activity.

If you have any questions please contact the staff of the nearest office of either the Florida Department of Environmental Protection (DEP) or a Water Management District (WMD).

PROCESSING AGENCY/DISTRICT SERVICE CENTERS

The Department of Environmental Protection ("Department" or "DEP") permits some types of activities, and the Water Management Districts ("WMDs") permits others. See Attachment 1, DEP/WMD Permitting Responsibilities, if you do not know which agency should receive your application. Environmental Resource Permit Applications shall be made to the appropriate District/Department Service Center serving the area in which the activity is proposed. Attachment 4 designates the appropriate Services Centers for each geographic area.

COPIES/APPLICATION FEES

Submit an original signed application form plus **four** copies of the form, and **five** complete sets of all the requested drawings and other information to the appropriate DEP or WMD office. Submit the appropriate fee with your application. Application fees are listed in Attachment 3.

DISTRIBUTION TO THE U.S. ARMY CORPS OF ENGINEERS

When activities are proposed in, on or over wetlands or other surface waters, a copy of the application will be forwarded to the Army Corps of Engineers (ACOE) by the reviewing agency. The ACOE will advise you of any additional information required to obtain a federal dredge and fill permit. It is not necessary for the applicant to submit a separate application to the ACOE. The information requested in this application form may be more than required to make a complete application to the Corps. However, it is useful and essential for subsequent evaluation. Reducing unnecessary paperwork and delays is a continuing Corps goal.

DISTRIBUTION TO THE WATER MANAGEMENT DISTRICT FOR STATE LAND APPROVAL

The Water Management District will process all applications for authorization to use state owned submerged lands for those projects for which the WMD also processes the Environmental Resource Permit pursuant to Rule 18-21, F.A.C.

FOR AGENCY USE ONLY	
ACOE Application # _____	DEP/WMD Application # _____
Date Application Received _____	Date Application Received _____
Proposed Project Lat. _____ N _____ O	Fee Received _____
Proposed Project Long. _____ N _____ O	\$ _____
	Fee Receipt # _____

SECTION A

Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters?

☐ yes ☒ no

Is this application being filed by or on behalf of a government entity or drainage district?

☒ yes ☐ no

A. Type of Environmental Resource Permit Requested (check at least one)

- ☐ Noticed General - include information requested in Section B.
☐ Standard General (Single Family Dwelling)-include information requested in Sections C and D.
☒ Standard General (all other projects) - include information requested in Sections C and E.
☐ Individual (Single Family Dwelling) - include information requested in Sections C and D.
☐ Individual (all other projects) - include information requested in Sections C and E.
☐ Conceptual - include information requested in Sections C and E.
☐ Mitigation Bank Permit (construction) - include information requested in Section C and F.
 (If the proposed mitigation bank involves the construction of a surface water management system requiring another permit defined above, check the appropriate box and submit the information requested by the applicable section.)
☐ Mitigation Bank (conceptual) - include information requested in Section C and F.

B. Type of activity for which you are applying (check at least one)

- ☐ Construction or operation of a new system including dredging or filling in, on or over wetlands and other surface waters.
☐ Alteration or operation of an existing system which was not previously permitted by a WMD or DEP.
☒ Modification of a system previously permitted by a WMD or DEP. Provide previous permit numbers. Site Certification PA 98-38
☒ Alteration of a system ☐ Extension of permit duration ☐ Abandonment of a system
☐ Construction of additional phases of a system ☐ Removal of a system

C. Are you requesting authorization to use State Owned Lands? ☐ yes ☒ no (If yes include the information requested in Section G.)

D. For activities in, on or over wetlands or other surface waters, check type of federal dredge and fill permit requested:

- ☐ Individual ☐ Programmatic General
☐ General ☐ Nationwide ☒ Not Applicable

E. Are you claiming to qualify for an exemption? ☐ yes ☒ no If yes provide rule number if known. _____

OWNER(S) OF LAND	ENTITY TO RECEIVE PERMIT (IF OTHER THAN OWNER)
NAME Kissimmee Utility Authority (KUA)	NAME KUA/FLORIDA MUNICIPAL POWER AGENCY (FMPA)
ADDRESS 1701 W.Carroll Street	ADDRESS
CITY, STATE, ZIP Kissimmee, FL 34741	CITY, STATE, ZIP
COMPANY AND TITLE KUA	COMPANY AND TITLE
TELEPHONE (407) 933-7777 FAX (407) 847-0787	TELEPHONE FAX
AGENT AUTHORIZED TO SECURE PERMIT (IF AN AGENT IS USED)	CONSULTANT (IF DIFFERENT FROM AGENT)
NAME Mike Soltys	NAME
COMPANY AND TITLE Black & Veatch	COMPANY AND TITLE
ADDRESS 11401 Lamar	ADDRESS
CITY, STATE, ZIP Overland Park, KS	CITY, STATE, ZIP
TELEPHONE (913) 458-7563 FAX (913) 458-2934	TELEPHONE () FAX ()
Name of project, including phase if applicable <u>Cane Island Power Park Unit 4</u> Is this application for part of a multi-phase project? ☐ yes ☒ no Total applicant-owned area contiguous to the project <u>1.027</u> ac Total project area for which a permit is sought <u>24.2</u> ac See attached additional information sheet. Impervious area for which a permit is sought <u>5.03</u> AC See attached additional information sheet. What is the total area (metric equivalent for federally funded projects) of work in, on, or over wetlands or other surface waters? <u>n/a</u> acres <u>n/a</u> square feet <u>n/a</u> hectares <u>n/a</u> square meters Number of new boat slips proposed. <u>n/a</u> Project location (use additional sheets, if needed) County(ies) <u>Osceola County</u> Section(s) <u>29</u> Township <u>25 S</u> Range <u>28 E</u> Section(s) <u>32</u> Township <u>25 S</u> Range <u>28 E</u> Land Grant name, if applicable <u>n/a</u> Tax Parcel Identification Number <u>29-25-28-0000-0010-0000 and 32-25-28-0000-0010-0000</u> Street address, road, or other location <u>6075 Old Tampa Highway</u> City, Zip Code if applicable <u>Intercession City, Florida 33848</u>	

Describe in general terms the proposed project, system, or activity. The Kissimmee Utility Authority and Florida Municipal Power Agency proposes to construct, install, and operate a nominal 300 MW combined cycle combustion turbine, Unit 4.

If there have been any pre-application meetings, including at the project site, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives. _____

Please identify by number any MSSW/Wetland resource/ERP/ACOE Permits pending, issued or denied for projects at the location, and any related enforcement actions.

Agency	Date	No.\Type of Application	Action Taken
N/A			

Note: The following information is required **only** for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit and/or authorization to use state owned submerged lands and is not necessary when applying solely for an Environmental Resource Permit. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding applicant). Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.

1. N/A	2.
3.	4.

By signing this application form, I am applying, or I am applying on behalf of the applicant, for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application and represent that such information is true, complete and accurate. I understand this is an application and not a permit, and that work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relieve me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of my corporation, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)

Signature of Applicant/Agent

Date

(Corporate Title if applicable)

AN AGENT MAY SIGN ABOVE ONLY IF THE APPLICANT COMPLETES THE FOLLOWING:

I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirement which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Typed/Printed Name of Applicant

Signature of Applicant/Agent

Date

(Corporate Title if applicable)

Please note: The applicant's original signature (not a copy) is required above.

PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:

I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Water Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor permitted work if a permit is granted.

Typed/Printed Name of Applicant

Signature of Applicant/Agent

Date

(Corporate Title if applicable)

**INFORMATION FOR NOTICED
GENERAL ENVIRONMENTAL RESOURCE PERMITS**

INSTRUCTIONS: To qualify for a Noticed General Permit (NGP) for specific activities, the project must strictly comply with all of the terms, conditions, requirements, limitations and restrictions applicable to the desired NGP. A summary of the types of NGP's available is contained in Attachment 1. Carefully review the rule section of the NGP for which you are applying to ensure that your project meets the requirements of that NGP. **PLEASE PROVIDE THE INFORMATION REQUIRED BELOW ON PAPER NO LARGER THAN 2' x 3'.**

1. Indicate the project boundaries on a USGS quad map, reduced or enlarged as necessary to legibly show the entire project. If not apparent from the quad map, provide a location map (in sufficient detail to allow a person unfamiliar with the site to find it), containing a north arrow and a graphic scale and showing the boundary of the proposed activity and Section(s), Township(s), and Range(s).
2. A legible site plan showing the following features:
 - a) property boundaries and dimensions
 - b) name and location of any adjoining public streets or roads
 - c) location and dimensions of all existing structures
 - d) label all impervious and pervious area and indicate their size (area)
 - e) please provide arrows indicating the direction of drainage from the proposed improvements
 - f) locations of all proposed works
 - g) permanent and temporary erosion, sedimentation and turbidity controls
 - h) boundaries of wetlands and other surface waters, identifying open water areas
 - i) boundary area and volume of all temporary and permanent earthwork, including pre and post construction grades
3. Description of wetland or aquatic habitat.
4. Construction methods and schedule.
5. Additional information that would show that you qualify for the general permit, addressing all the parameters, thresholds and conditions required in the general permit. Errors and omissions will be identified within 30 days by the processing agency.
6. Provide the rule section number of the NGP for which you are applying.

SECTION C

Environmental Resource Permit Notice of Receipt of Application

This information is required in addition to that required in other sections of the application. Please submit five copies of this notice of receipt of application and all attachments with the other required information. **PLEASE SUBMIT ALL INFORMATION ON PAPER NO LARGER THAN 2' x 3'.**

Project Name:	Cane Island Power Park - Unit 4
County:	Osceola
Owner:	FMPA/KUA
Applicant:	FMPA/KUA
Applicant's Address:	

1. Indicate the project boundaries on a USGS quadrangle map. Attach a location map showing the boundary of the proposed activity. The map should also contain a north arrow and a graphic scale; show Section(s), Township(s), and Range(s); and must be of sufficient detail to allow a person unfamiliar with the site to find it.
2. Provide the names of all wetlands, or other surface waters that would be dredged, filled, impounded, diverted, drained, or would receive discharge (either directly or indirectly), or would otherwise be impacted by the proposed activity, and specify if they are in an Outstanding Florida Water or Aquatic Preserve:
Reedy Creek Swamp will receive stormwater detention pond discharge.
3. Attach a depiction (plan and section views), which clearly shows the works or other facilities proposed to be constructed. Use multiple sheets, if necessary. Use a scale sufficient to show the location and type of works.
4. Briefly describe the proposed project (such as "construct a deck with boatshelter", "replace two existing culverts", "construct surface water management system to serve 150 acre residential development"):
Modify existing basin and construct surface water management system to serve Unit 4, and industrial (power plant).
5. Specify the acreage of wetlands or other surface waters, if any, that are proposed to be disturbed, filled, excavated, or otherwise impacted by the proposed activity:
6. Provide a brief statement describing any proposed mitigation for impacts to wetlands and other surface waters (attach additional sheets if necessary):

	FOR AGENCY USE ONLY
Application Name:	
Application Number:	
Office where the application can be inspected:	

NOTE: ALL DRAWINGS REFERENCED ARE IN SECTION 3.8 OF THE SCA.

SECTION D NOT APPLICABLE

INFORMATION FOR STANDARD GENERAL OR INDIVIDUAL ENVIRONMENTAL RESOURCE PERMITS FOR PROJECTS RELATED TO A SINGLE FAMILY DWELLING UNIT

Complete this Section **only** if your project does not qualify for an exemption or noticed general permit. The information requested below is for projects related to an individual, single family dwelling unit, duplex or quadraplex which is not part of a larger common plan of development proposed by the applicant. Please contact the local office of the DEP or WMD if you are unsure whether your project would fit this description.

PLEASE SUBMIT ALL INFORMATION ON PAPER NO LARGER THAN 2' x 3'

A. SITE INFORMATION

1. Directions: Provide written directions to the property.
2. Indicate how the location of work marked on site: for example, the center line of the road is flagged, a string running between stakes identifies the bulkhead location, etc.

B. DRAWINGS

Drawings should be of sufficient detail to clearly show the existing physical conditions of the site, and the extent, type, and location of the proposed activities. The drawings should clearly show waters/wetlands to be impacted, either temporarily or permanently. Any water/wetland areas proposed to be created, enhanced, restored, preserved, or which will remain undisturbed should be clearly identified and labeled. The following drawings are required:

1. PLAN VIEW (TOP VIEW)

This shows the work as viewed from above. A survey of the project site is very useful as a starting point for preparing plan views of the project. Include the following:

- a. Applicant name, property line, north arrow and graphic scale or dimensions of proposed work on each drawing sheet.
- b. Representative land elevations (spot elevations or contour lines) referred to National Geodetic Vertical Datum (NGVD), as is used on the U.S.G.S. contour maps, if available.
- c. The limits of wetlands and other surface waters and open water areas in the vicinity of the proposed work. Describe how the wetland limits were determined. If there has ever been a jurisdictional declaratory statement, a formal wetland determination, a formal determination, validated informal determination, or a revalidated jurisdictional determination, provide the identifying number.
- d. All proposed work, including dredging, filling or structures. Where possible, differentiate between work in open water, marshes, swamps, or tidal flats and uplands.
- e. Show selected water depths in and adjacent to the project site. For dock projects, show water depths at all mooring sites. These depths should be determined at approximate mean low water (MLW) or seasonal low water. Include the approximate tidal range (the difference between approximate mean high water (MHW) elevation and approximate MLW elevation) if the project is in a tidal waterbody.
- f. Label all existing structures in wetlands or other surface waters at or adjacent to the proposed activity, such as docks, bulkheads, riprap, or buildings.

- g. If dredging or dewatering is involved, show the location of proposed spoil sites. Include any levees, control structures or other methods for retaining or detaining return water. Also include locations of discharge sites where appropriate. **(Note that a consumptive or water use permit may be required for dewatering.)**
- h. For piling supported structures over wetlands or other surface waters, show the entire structure. Indicate the location of any aquatic vegetation in the vicinity of the proposed structure.
- i. Show distance between the most waterward point of the proposed facility and the nearest edge of any navigation channel, where appropriate. If the project is on a waterway that has a federally maintained channel, a survey may be required to establish the distance from the waterward points of the structure to the near edge of the federal channel. Also indicate the width of the waterway.
- j. Clearly show the locations of all corresponding cross-sectional or profile views on the plan view drawings.

2. CROSS-SECTIONAL AND PROFILE VIEWS

The cross-sectional view should show a "cut-away" end or middle view of the project, while the profile view should show a side view as if cut length-wise. All drawings should include:

- a. Applicant name and graphic horizontal and vertical scales or dimensions of the proposed work on each drawing sheet.
- b. Show approximate mean or seasonal (high and low) water line elevations referenced to NGVD.

C. PROJECT DETAILS

Provide a detailed description of the proposed project, including the following:

- 1. The type of activity that is proposed, how the activity will be conducted, construction techniques and sequencing, including equipment to be used, and methods for moving the equipment to and from the site. For projects that involve any dredging or excavation, describe the method of excavation, the type of material to be excavated, and the disposal location for the excavated material. State whether spoil is to be placed (either temporarily or permanently) in a wetland or other surface water. Indicate the time period any temporary structures will be in place.
- 2. The acreage (or square footage) of excavation and fill and differentiate between temporary and permanent work.
- 3. Methods for controlling turbidity (muddy water caused by erosion or work in the water).
- 4. Methods for stabilizing any slopes that will be created or disturbed during construction, including times expected to elapse before stabilization is performed. Describe both temporary and permanent stabilization methods, such as staked hay bales, temporary grass seed, and permanent sod.
- 5. If pilings or a seawall are to be installed state whether pilings and seawall slabs are to be installed by jetting or driving.

For fill projects, describe the source and type of fill material to be used. For activities that involve the installation of riprap, describe the source, type and size of the rocks, concrete, or other material to be used for the riprap, and how these materials are to be placed. State whether the rocks will be underlain with filter cloth.

SECTION E

INFORMATION FOR STANDARD GENERAL, INDIVIDUAL AND CONCEPTUAL ENVIRONMENTAL RESOURCE PERMITS FOR PROJECTS NOT RELATED TO A SINGLE FAMILY DWELLING UNIT

Please provide the information requested below if the proposed project requires either a standard general, individual, or conceptual approval environmental resource permit and is not related to an individual, single family dwelling unit, duplex or quadraplex. The information listed below represents the level of information that is usually required to evaluate an application. The level of information required for a specific project will vary depending on the nature and location of the site and the activity proposed. Conceptual approvals generally do not require the same level of detail as a construction permit. However, providing a greater level of detail will reduce the need to submit additional information at a later date. If an item does not apply to your project, proceed to the next item. **PLEASE SUBMIT ALL INFORMATION ON PAPER NO LARGER THAN 24" X 36"**.

NOTE: ALL DRAWINGS REFERENCED ARE IN SECTION 3.8 OF THE SCA.

I. Site Information

- A. Provide a map(s) of the project area and vicinity delineating USDA/SCS soil types.
- B. Provide recent aerials, legible for photointerpretation with a scale of 1" = 400 ft, or more detailed, with project boundaries delineated on the aerial.
- C. Identify the seasonal high water or mean high tide elevation and normal pool or mean low tide elevation for each on site wetland or surface water, including receiving waters into which runoff will be discharged. Include dates, datum, and methods used to determine these elevations.
- D. Identify the wet season high water tables at the locations representative of the entire project site. Include dates, datum, and methods used to determine these elevations.

II. Environmental Considerations

- A. Provide results of any wildlife surveys that have been conducted on the site, and provide any comments pertaining to the project from the Florida Game and Fresh Water Fish Commission and the U.S. Fish and Wildlife Service.
- B. Provide a description of how water quantity, quality, hydroperiod, and habitat will be maintained in on-site wetlands and other surface waters that will be preserved or will remain undisturbed.
- C. Provide a narrative description of any proposed mitigation plans, including purpose, maintenance, monitoring, and construction sequence and techniques, and estimated costs.
- D. Describe how boundaries of wetlands or other surface waters were determined. If there has ever been a jurisdictional declaratory statement, a formal wetland determination, a formal determination, a validated informal determination, or a revalidated jurisdictional determination, provide the identifying number.
- E. Impact Summary Tables:
 - 1. For all projects, complete Table 1, 2 and 3 as applicable.
 - 2. For docking facilities or other structures constructed over wetlands or other surface waters, provide the information requested in Table 4.
 - 3. For shoreline stabilization projects, provide the information requested in Table 5.

ERP Application
Section A and E
Additional Information Sheet

Section A, Page 2

Total project area for which permit is sought.

KUA/FMPA Response:

24.2 acres. This includes 12.9 acres of permanently disturbed land, and 11.3 acres of temporarily disturbed land, due to construction.

Impervious area for which a permit is sought.

KUA/FMPA Response:

5.03 acres impervious area for Unit 4 only. There are 7.88 acres total impervious area for Units 3 and 4.

Section E

Part I, Site Information

D. Identify the wet season high water tables at the locations representative of the entire project site. Include dates, datum, and methods used to determine these elevations.

KUA/FMPA Response:

From the Cane Island Power Park Unit 3 Site Certification Application, ground water conditions were determined from piezometer water level readings installed during the subsurface investigation, visual inspection of subsurface profiles in test pit excavations, and observation of the installed monitoring wells located in the Units 1 and 2 area. Data indicate ground water elevations ranging from approximately elevation 69.0 to 74.0 feet. Normal low ground water across Cane Island was estimated at Elevation 69.0 feet from the piezometer data. Normal high ground water across the island was estimated at Elevation 72.0 feet from the piezometer data. Historical maximum high ground water Elevation at Cane Island was estimated to be Elevation 74.0. Recent data reaffirms these levels, therefore these same ground water elevations will be used for Unit 4.

Part II Environmental Considerations

A. Provide results of any wildlife surveys that have been conducted on the site, and provide any comments pertaining to the project from the Florida Game and Fresh Water Fish Commission and the U.S. Fish and Wildlife Service.

KUA/FMPA Response:

The US Fish and Wildlife Service (USFWS) and Florida Fish and Wildlife Conservation Commission (FFWCC), previously known as the Florida Game and Freshwater Fish Commission, were consulted during the permitting efforts for Cane Island Power Plant (CIPP) Units 1-3. In March 1993, the Florida Game and Freshwater Fish Commission issued a permit for taking of gopher tortoises and their burrows. This permit was issued as part of the Unit 1-3 construction. A copy of this permit is included in Appendix D. The USFWS was contacted on March 21, 2008 to advise them of the proposed Unit 4 project. Copies of agency letters are provided in Subsection 10.2.4 and 10.5.4, respectively. The FFWCC inspects the site annually and participates in habitat management decisions.

Field surveys for endangered, threatened, and other sensitive species were conducted in 1991 and 1992 prior to site development. Additionally, qualitative vegetation and wildlife surveys are performed once every 5 years (beginning in 2005), as monitoring efforts required by the FFWCC and South Florida Water Management District (SFWMD) for construction of the CIPP.

No federally listed plant or animal species have been recorded onsite, none have been observed during surveys, and no critical habitat for federally listed species occurs within the CIPP boundaries. Marginal habitat for the Florida scrub jay (federally threatened) was discovered on the northern half of Cane Island, but no scrub jays have been observed during surveys.

Animals and vegetation observed onsite are listed in Tables C-1 and C-2, in Appendix C.

B. Provide a description of how water quantity, quality, hydroperiod, and habitat will be maintained in onsite wetlands and other surface waters that will be preserved or will remain undisturbed.

KUA/FMPA Response:

There are no wetlands associated with the CIPP Unit 4 project; however, storm water runoff is discharged to Reedy Creek Swamp. The first 0.5 inches of runoff from the power block area is detained and percolated from the detention ponds. Outlet structures at the ponds limit the post-development peak discharge to pre-development peak discharge rate.

Part III Plans

D. If the project is in the known flood plain of a stream or other water course, identify the flood plain boundary and approximate flooding elevations; Identify the 100-year flood elevation and floodplain boundary of any lake, stream or other watercourse located on or adjacent to the site;

KUA/FMPA Response:

The Unit 4 power block will not be within the 100 year floodplain. The 100 year recurrence interval flood elevation of Reedy Creek Swamp surrounding Cane Island is 78.2 feet mean sea level. The 100-year flood elevation of the Unit 3 and 4 storm water pond is 79.97 ft.

I. Show pre- and post-development drainage patterns and basin boundaries showing the direction of flows, including any off-site runoff being routed through or around the system; and connections between wetlands and other surface waters

KUA/FMPA Response:

For pre-development drainage patterns, refer to Drawing Number 147651-DS-0109, PRE-DEVELOPMENT SITE DRAINAGE PATTERN.

For post-development drainage patterns, refer to Drawing Numbers 147651-4STF-S3000, GRADING AND DRAINAGE – SITE GENERAL NOTES, ABBREVIATIONS, AND LEGEND; 147651-4STF-S3001, GRADING AND DRAINAGE – SITE SHEET 1; 147651-4STF-S3002, GRADING AND DRAINAGE – SITE SHEET 2; and 147651-4STF-S3050, GRADING AND DRAINAGE – SITE SECTION AND DETAILS.

P. Show location and details of the erosion, sediment and turbidity control measures to be implemented during each phase of construction and all permanent control measures to be implemented in post-development conditions.

KUA/FMPA Response:

For temporary erosion control, refer to Drawing Numbers 14761-4STE-S3100, EROSION CONTROL PLAN SHEET and 14761-4STE-S3150, EROSION CONTROL SECTIONS AND DETAILS. For permanent erosion control, refer to Drawing Number 147651-4STF-S3050, GRADING AND DRAINAGE – SITE SECTION AND DETAILS.

R. Show site grading details, including perimeter site grading;

KUA/FMPA Response:

Refer to Drawing Numbers 147651-4STF-S3000, GRADING AND DRAINAGE – SITE GENERAL NOTES, ABBREVIATIONS, AND LEGEND; 147651-4STF-S3001 GRADING AND DRAINAGE – SITE SHEET 1; 147651-4STF-S3002 GRADING AND DRAINAGE – SITE SHEET 2; and 147651-4STF-S3050 GRADING AND DRAINAGE – SITE SECTION AND DETAILS.

S. Show disposal sites for any excavated material, including temporary and permanent disposal sites:

KUA/FMPA Response:

No major excavations are anticipated for this project. The site itself will be raised approximately 3 feet. However temporary storage of top soil will be provided in the construction laydown area. For pile location, refer to B&V Drawing No. 147651-4STE-S3100, EROSION CONTROL PLAN SHEET.

Part IV Construction Schedule and Techniques

A. Provide method for installing any pilings or seawall slabs:

KUA/FMPA Response:

Cane Island Unit 4 construction currently has no pilings or sea wall slabs. The plan is to use the same foundations as the previous units. This consists of vibro-replacement stone columns and compaction grouting.

- i. Vibro-replacement (stone columns) should be used to decrease the settlement and increase the bearing capacity of heavily loaded, settlement sensitive structures. Vibro-replacement should be performed from the ground surface in a triangular grid pattern at a maximum 8-foot center to center spacing with at least a 3-foot diameter.***
- ii. Compaction grouting should be used to minimize the potential of raveling soils above the limestone. Compaction grouting should be performed in areas where the top of limestone was encountered deeper than normal top of limestone at approximately elevation +10 feet msl, which indicates previous karstic erosion activity. Compaction grouting should be performed from limestone encountered below elevation +10 msl up to at least the normal top of limestone at elevation +10 feet msl.***
- iii. Vibro-replacement stone columns involve the densification and/or reinforcement of the soil using compacted granular columns or “stone columns”. This is accomplished by either the top-feed or the bottom-feed method. Cohesive, mixed and layered soils generally do not densify easily when subjected to vibration alone. The Vibro-replacement stone column technique was developed specifically for these soils, effectively extending the range of soil types that can be improved with the deep vibratory process.***

With Vibro-replacement stone columns, columns of dense, crushed stone are designed to increase bearing capacity, reduce settlement, aid densification, mitigate the potential for liquefaction, and improve shear resistance.

- iv. *Compaction grouting uses displacement to improve ground conditions. A very viscous (low-mobility), aggregate grout is pumped in stages, forming grout bulbs, which displace and densify the surrounding soils.*

B. Provide schedule of implementation of temporary or permanent erosion and turbidity control measures.

KUA/FMPA Response:

The general sequence of construction for Unit 4 will be as follows.

- *Install erosion and sedimentation controls*
- *Rough grade construction areas*
- *Construct stormwater system; stabilize (fill) required areas*
- *Install major foundations*
- *Install turbine, equipment, and utilities*
- *Finish road/impervious surface areas*
- *Final grading/stabilization*

Temporary erosion and sediment control measures will be installed as necessary during construction to control sediment disposition. The primary destination of construction runoff will be to the Unit 3 and 4 stormwater detention basin. The Unit 3 and 4 stormwater detention basin will provide reduction of suspended solids load through detention.

- i. *Before construction begins, a silt fence or other appropriate control measures will be installed around the perimeter of construction areas. Drawing Numbers 147651-4STE-S3100 and 147651-4STE-S3150 show erosion control plans and details, respectively. Diversion ditches will be equipped with straw bale dikes to aid in minimizing the amount of sediments flowing into the onsite runoff basin and offsite. Construction access-ways and parking areas will be surfaced with aggregate to provide a stabilized subgrade. Erosion control measures will also include minimizing fugitive dust through the periodic spraying of water.*
- ii. *Initial construction will remove all significant vegetation (trees and brush). If possible, some trees will be retained in the construction lay-down/staging area. The runoff basin and associated drainage-ways will be constructed concurrently with initial clearing activities. Topsoil will be removed and stockpiled for finished grading and site restoration after construction is completed. Once the topsoil has been removed, site preparation will be directly related to the construction of specific power plant facilities. Once the earthmoving and construction are completed, the stockpiled topsoil will be used for finished grading. Seeding and mulching activities will begin immediately upon completion of construction.*

- iii. *In general, all erosion and sedimentation control measures will be checked weekly and after each significant rainfall event. Items including the following will be checked:*
 - 1. *Silt fences and straw bale dikes will be inspected after each significant rainfall and during prolonged periods of rainfall. Required repairs will be made within 24 hours.*
 - 2. *Sediment deposits at barriers will be removed when the deposit depth reaches approximately one half the height of the barrier.*
- iv. *Permanent erosion and sedimentation control measures within the CIPP will include the runoff collection system (ditches, culverts, trenches), surfaced traffic and work areas, nonworking areas with established vegetation, and the site runoff detention basin. These measures will minimize erosion and potential sedimentation into Reedy Creek Swamp. The permanent erosion and sediment control system will be installed as early as possible during construction and will remain in service throughout the life of the project. The primary components of this system will be established vegetation, surfacing, aggregate and concrete ditches, culverts, and trenches which will collect the site runoff and direct it to the site runoff basin. The system will be maintained and monitored during construction and operation. When the Unit 4 is constructed, uncontaminated stormwater will flow into the stormwater detention basin. In the event that the stormwater detention basin overflows, the overflow will be directed through a weir and the stormwater will then be allowed to sheet flow. The drainage system will require periodic inspection, maintenance, cleaning, and occasional repair work. Inspection will be completed on a seasonal basis and after any severe rainfall event. The condition of the ditches, culverts, and weirs will be noted. Cleaning or repair of the drainage structures will be completed as required.*

F. Provide the methods for transporting equipment and materials to and from the work site. If barges are required for access, provide the low water depths and draft of the fully loaded barge.

KUA/FMPA Response:

The major components associated with the Unit 4 installation include the following: Combustion Turbine Generator; Heat Recovery Steam Generator; Generator Step-up Transformers; Cooling Tower; Steam Turbine Generator; Miscellaneous Services Building; Power Distribution Center; and Water Storage Tanks. The major components and all other required equipment and materials will be delivered to the CIPP site by truck. All deliveries associated with construction and operation will utilize the site access road that connects to Old Tampa Highway. All deliveries will be cleared through a call-box at the main gate. Once onsite, construction materials will be directed to the construction lay-down area or its permanent location for offloading and transport to the proper storage area by portable cranes, forklifts, and trucks.

H. Identify the schedule and party responsible for completing monitoring, record drawings, and as-built certifications for the project when completed.

KUA/FMPA Response:

The schedule for completing monitoring, record drawings, and as-built certifications for the project, when completed, will be provided by FMPA, in compliance with the SFWMD Conditions of Certification Section XXIII.C.1A. Drawing will be the responsibility of the plant EPC Contractor.

Part V Drainage Information

A. Provide pre-development and post-development drainage calculations, sign and sealed, by an appropriate registered professional, as follows:

- 2) Water table elevations (normal and seasonal high) including aerial extent and magnitude of any proposed water table drawdown.

KUA/FMPA Response:

From the Cane Island Power Park Unit 3 Site Certification Application, ground water conditions were determined from piezometer water level readings installed during the subsurface investigation, visual inspection of subsurface profiles in test pit excavations, and observation of the installed monitoring wells located in the Units 1 and 2 area. Data indicate ground water elevations ranging from approximately elevation 69.0 to 74.0 feet. Normal low ground water across Cane Island was estimated at Elevation 69.0 feet from the piezometer data. Normal high ground water across the island was estimated at Elevation 72.0 feet from the piezometer data. Historical maximum high ground water Elevation at Cane Island was estimated to be Elevation 74.0. Recent data reaffirms these levels, therefore these same ground water elevations will be used for Unit 4.

B. Provide the results of any percolation tests, where appropriate, and soil borings that are representative of the actual site conditions.

KUA/FMPA Response:

For percolation tests results, refer to the "Double Ring Infiltration Test Results" completed by Ardaman & Associates, Inc. dated November 13, 2007 (File No. 07-6585) included as Appendix B. For soil borings, refer to Black & Veatch Transmittal to Barry Beck of P.E. LaMoreaux & Associates, Inc., dated November 14, 2007. Transmittal includes Phase 2 Geologic Hazard Investigation Boring Logs, Geologic Hazard Investigation Location Plan, and Geologic Hazard Investigation Summary is provided in Appendix A.

III. Plans

Provide clear, detailed plans for the system including specifications, plan (overhead) views, cross sections (with the locations of the cross sections shown on the corresponding plan view), and profile (longitudinal) views of the proposed project. The plans must be signed and sealed by an appropriate registered professional as required by law. Plans must include a scale and a north arrow. These plans should show the following:

- A. Project area boundary and total land area, including distances and orientation from roads or other land marks;
- B. Existing land use and land cover (acreage and percentages), and on-site natural communities, including wetlands and other surface waters, aquatic communities, and uplands. Use the Florida Land Use Cover & Classification System (FLUCCS) (Level 3) for projects proposed in the South Florida Water Management District, the St. Johns River Water Management District, and the Suwannee River Water Management District and use the National Wetlands Inventory (NWI) for projects proposed in the Southwest Florida Water Management District. Also identify each community with a unique identification number which must be consistent in all exhibits.
The entire site has been permitted for power plant operation through the original site certification for Units 1-3 in 1999.
- C. The existing topography extending at least 100 feet off the project area, and including adjacent wetlands and other surface waters. All topography shall include the location and a description of known benchmarks, referenced to NGVD. For systems waterward of the mean high water (MHW) or seasonal high water lines, show water depths, referenced to mean low water (MLW) in tidal areas or seasonal low water in non-tidal areas, and list the range between MHW and MLW. For docking facilities, indicate the distance to, location of, and depths of the nearest navigational channel and access routes to the channel. See Drawing Number 147651-DS -0109, Pre-Development Site Drainage Pattern MHW/MLW / Docking Facilities - Not Applicable
- D. If the project is in the known flood plain of a stream or other water course, identify the flood plain boundary and approximate flooding elevations; Identify the 100-year flood elevation and floodplain boundary of any lake, stream or other watercourse located on or adjacent to the site;
- E. The boundaries of wetlands and other surface waters within the project area. Distinguish those wetlands and other surface waters that have been delineated by any binding jurisdictional determination; See Drawing Number 147651-4STA-S1000, Site Plan. There are no wetlands or surface waters at CIPP Unit 4.
- F. Proposed land use, land cover and natural communities (acreage and percentages), including wetlands and other surface waters, undisturbed uplands, aquatic communities, impervious surfaces, and water management areas. Use the same classification system and community identification number used in III (B) above. N/A. There are no proposed land uses at the site. The entire site was permitted for power plant operation through the original site certification for Units 1-3 in 1999. See Drawing Number 147651-4STA-S1000, SITE PLAN.
- G. Proposed impacts to wetlands and other surface waters, and any proposed connections/outfalls to other surface waters or wetlands;
See Drawing Number 147651-4STA-S1000, Site Plan. There are no wetlands or surface waters at CIPP Unit 4.
- H. Proposed buffer zones;
See Drawing Number 147651-4STA-S1000, Site Plan. There are no wetlands or surface waters at CIPP Unit 4.
- I. Pre and post-development drainage patterns and basin boundaries showing the direction of flows, including any off-site runoff being routed through or around the system; and connections between wetlands and other surface waters;
See attached additional information sheet.
- J. Location of all water management areas with details of size, side slopes, and designed water depths;
- K. Location and details of all water control structures, control elevations, any seasonal water level regulation schedules; and the location and description of benchmarks (minimum of one benchmark per structure);

- L. Location, dimensions and elevations of all proposed structures, including docks, seawalls, utility lines, roads, and buildings;
- M. Location, size, and design capacity of the internal water management facilities;
See Drawing Number 147651-4STA-S3001 Grading & Drainage, SH1 for location; size/design capacity shown on supporting calculations.
- N. Rights-of-way and easements for the system, including all on-site and off-site areas to be reserved for water management purposes, and rights-of-way and easements for the existing drainage system, if any;
- O. Receiving waters or surface water management systems into which runoff from the developed site will be discharged;
- P. Location and details of the erosion, sediment and turbidity control measures to be implemented during each phase of construction and all permanent control measures to be implemented in post-development conditions;
- Q. Location, grading, design water levels, and planting details of all mitigation areas;
- R. Site grading details, including perimeter site grading;
See attached addition information sheet.
- S. Disposal site for any excavated material, including temporary and permanent disposal sites;
- T. Dewatering plan details;
- U. For marina facilities, locations of any sewage pumpout facilities, fueling facilities, boat repair and maintenance facilities, and fish cleaning stations;
- V. Location and description of any nearby existing offsite features which might be affected by the proposed construction or development such as stormwater management ponds, buildings or other structures, wetlands or other surface waters.
- W. For phased projects, provide a master development plan.

IV. Construction Schedule and Techniques

Provide a construction schedule, and a description of construction techniques, sequencing and equipment. This information should specifically include the following:

- A. Method for installing any pilings or seawall slabs;
See attached additional information sheet.
- B. Schedule of implementation of a temporary or permanent erosion and turbidity control measures;
See attached additional information sheet.
- C. For projects that involve dredging or excavation in wetlands or other surface waters, describe the method of excavation, and the type of material to be excavated;
N/A - no wetlands or surface waters at CIPP, Unit 4.
- D. For projects that involve fill in wetlands or other surface waters, describe the source and type of fill material to be used. For shoreline stabilization projects that involve the installation of riprap, state how these materials are to be placed, (i.e., individually or with heavy equipment) and whether the rocks will be underlain with filter cloth;
N/A - no wetlands or surface waters at CIPP, Unit 4.
- E. If dewatering is required, detail the dewatering proposal including the methods that are proposed to contain the discharge, methods of isolating dewatering areas, and indicate the period dewatering structures will be in place (**Note: a consumptive use or water use permit may be required**);

See Drawing Number 147651-DS-0110, Dewatering Plan.

- F. Methods for transporting equipment and materials to and from the work site. If barges are required for access, provide the low water depths and draft of the fully loaded barge; and
See attached additional information sheet.
- G. Demolition plan for any existing structures to be removed;
See Drawing No. 147651-DS-0111, Demolition Plan.
- H. Identify the schedule and party responsible for completing monitoring, record drawings, and as-built certifications for the project when completed. See attached additional information sheet.

V. Drainage Information

- A. Provide pre-development and post-development drainage calculations, signed and sealed by an appropriate registered professional, as follows:
1. Runoff characteristics, including area, runoff curve number or runoff coefficient, and time of concentration for each drainage basin;
See B&V calculations, No.s 52.5406.1101.01 through 1101.04.
 2. Water table elevations (normal and seasonal high) including aerial extent and magnitude of any proposed water table drawdown;
See attached additional information sheet.
 3. Receiving water elevations (normal, wet season, design storm);
N/A.
 4. Design storms used including rainfall depth, duration, frequency, and distribution;
See B&V calculation No. 52.5406.1101.04, Hydrologic Analysis.
 5. Runoff hydrograph(s) for each drainage basin, for all required design storm event(s);
See B&V calculation No. 52.5406.1101.04, Hydrologic Analysis.
 6. Stage-storage computations for any area such as a reservoir, close basin, detention area, or channel, used in storage routing;
See B&V calculation No. 52.5406.1101.03, Dry Detention Basin & Discharge Structure Design.
 7. Stage-discharge computations for any storage areas at a selected control point, such as control structure or natural restriction;
See B&V calculation No. 52.5406.1101.03, Dry Detention Basin & Discharge Structure Design.
 8. Flood routings through on-site conveyance and storage areas;
See B&V calculation No. 52.5406.1101.04, Hydrologic Analysis.
 9. Water surface profiles in the primary drainage system for each required design storm event(s);
See B&V calculation No. 52.5406.1101.04, Hydrologic Analysis.
 10. Runoff peak rates and volumes discharged from the system for each required design storm event(s); and
See B&V calculation No. 52.5406.1101.04, Hydrologic Analysis.
 11. Tail water history and justification (time and elevation);
N/A.
 12. Pump specifications and operating curves for range of possible operating conditions (if used in system).
N/A.
- B. Provide the results of any percolation tests, where appropriate, and soil borings that are representative of the actual site conditions;
See attached additional information sheet.
- C. Provide the acreage, and percentages of the total project, of the following:
1. impervious surfaces, excluding wetlands,
Total impervious area draining to Unit 3 & 4 Stormwater Pond is 7.89 ac.
 2. pervious surfaces (green areas, not including wetlands),
Total aggregate area draining to Unit 3 & 4 Stormwater Pond is 5 ac.
 3. lakes, canals, retention areas, other open water areas,
Unit 3 & 4 Stormwater Pond is 1.41 ac.
 4. wetlands:
No wetlands are being disturbed.

D. Provide an engineering analysis of floodplain storage and conveyance (if applicable), including:

N/A

1. Hydraulic calculations for all proposed traversing works;
2. Backwater water surface profiles showing upstream impact of traversing works;
3. Location and volume of encroachment within regulated floodplain(s); and
4. Plan for compensating floodplain storage, if necessary, and calculations required for determining minimum building and road flood elevations.

E. Provide an analysis of the water quality treatment system including:

1. A description of the proposed stormwater treatment methodology that addresses the type of treatment, pollution abatement volumes, and recovery analysis; and calculations are included in Appendix G.
2. Construction plans and calculations that address stage-storage and design elevations, which demonstrate compliance with the appropriate water quality treatment criteria. Calculations are included in Appendix G.

F. Provide a description of the engineering methodology, assumptions and references for the parameters listed above, and a copy of all such computations, engineering plans, and specifications used to analyze the system. If a computer program is used for the analysis, provide the name of the program, a description of the program, input and output data, two diskette copies, if available, and justification for model selection.

See B&V calculations No. 52.5406.1101.01 through 52.5406.1101.04.

VI. Operation and Maintenance and Legal Documentation

A. Describe the overall maintenance and operation schedule for the proposed system.

B. Identify the entity that will be responsible for operating and maintaining the system in perpetuity if different than the permittee, a draft document enumerating the enforceable affirmative obligations on the entity to properly operate and maintain the system for its expected life, and documentation of the entity's financial responsibility for long term maintenance. If the proposed operation and maintenance entity is not a property owner's association, provide proof of the existence of an entity, or the future acceptance of the system by an entity which will operate and maintain the system. If a property owner's association is the proposed operation and maintenance entity, provide copies of the articles of incorporation for the association and copies of the declaration, restrictive covenants, deed restrictions, or other operational documents that assign responsibility for the operation and maintenance of the system. Provide information ensuring the continued adequate access to the system for maintenance purposes. Before transfer of the system to the operating entity will be approved, the permittee must document that the transferee will be bound by all terms and conditions of the permit.

C. Provide copies of all proposed conservation easements, storm water management system easements, property owner's association documents, and plats for the property containing the proposed system.

D. Provide indication of how water and waste water service will be supplied. Letters of commitment from off-site suppliers must be included.

E. Provide a copy of the boundary survey and/or legal description and acreage of the total land area of contiguous property owned/controlled the applicant.

VII. Water Use

- A. Will the surface water system be used for water supply, including landscape irrigation, or recreation.
- B. If a Consumptive Use or Water Use permit has been issued for the project, state the permit number.
- C. If no Consumptive Use or Water Use permit has been issued for the project, indicate if such a permit will be required and when the application for a permit will be submitted.
- D. Indicate how any existing wells located within the project site will be utilized or abandoned.

There are 6 existing wells within the project site, 4 or 5 new wells are planned. Wells 1 and 2 will be used to provide service water to the new unit. Wells 3 through 6 will be used to support construction of Unit 4. No wells will be abandoned.

TABLE ONE:

PROJECT WETLAND (WL) AND OTHER SURFACE WATER (SW) SUMMARY

WL & SW ID	WL & SW TYPE	WL & SW SIZE	WL & SW NOT IMPACTED	TEMPORARY WL & SW IMPACTS			PERMANENT WL & SW IMPACTS			MITIGATION ID
				WL & SW TYPE	IMPACT SIZE	IMPACT CODE	WL & SW TYPE	IMPACT SIZE	IMPACT CODE	
PROJECT TOTALS:										

COMMENTS:

CODES (multiple entries per cell not allowed):

Wetland Type: from an established wetland classification system

Impact Type: D=dredge; F=fill; H=change hydrology; S=shading; C=clearing; O=other

TABLE TWO:

PROJECT ON-SITE MITIGATION SUMMARY

MITIGATION ID	CREATION		RESTORATION		ENHANCEMENT		WETLAND PRESERVE		UPLAND PRESERVE		OTHER	
	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TYPE	AREA	TYPE	AREA	TARGET TYPE
PROJECT TOTALS												

COMMENTS:

CODES (multiple entries per cell not allowed):

Target Type or Type = target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

TABLE THREE:

PROJECT OFF-SITE MITIGATION SUMMARY

MITIGATION ID	CREATION		RESTORATION		ENHANCEMENT		WETLAND PRESERVE		UPLAND PRESERVE		OTHER	
	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TYPE	AREA	TYPE	AREA	TARGET TYPE
PROJECT TOTALS												

COMMENTS:

CODES (multiple entries per cell not allowed):

Target Type=target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

Table 4: IF YOU ARE CONSTRUCTING A DOCKING FACILITY, PLEASE PROVIDE THE FOLLOWING

Structures	Type of Work*	Length**	Width**	Height**	Total Sq. ft. over water	# Proposed Slips	# Existing Slips
Docks/Piers/Number:							
Finger Piers/Number:							
Other Water Structures:							
Total:							

*Type of Work N-New
**In Feet

R-Replaced

O-Other

RR-Removed

A-Altered/Modified

Use of Structure _____

Will the docking facility provide:

Livaboard Slips? If yes, Number: _____

Fueling Facilities: If yes, Number: _____

Sewage Pump-out Facilities? If yes, Number: _____

Other Supplies or Services Required for Boating (excluding refreshments, bait and tackle) ☐ Yes ☐ No

Type of Materials for Docking and Pilings (i.e., CCA, pressure treated wood, plastic, or concrete)

Pilings : _____

Docking : _____

Proposed Dock Plank Spacing (if applicable): _____

Proposed Size (length and draft), Type, and Number of Boats Expected to Use or Proposed to be Mooring at the facility): _____

Table 5: SHORELINE STABILIZATION IF YOU ARE CONSTRUCTING A SHORELINE STABILIZATION PROJECT, PLEASE PROVIDE THE FOLLOWING:

Stabilization					H: V:	
Vertical Seawall						
Seawall + Rip Rap						
Rip Rap						
Rip Rap + Vegetation						
Other Shoreline Stabilization Type						

Size of Rip Rap _____

Type of Rip Rap _____

SECTION F

Information for Mitigation Banks

Please provide the information requested below if you are applying for a mitigation bank permit or a mitigation bank conceptual approval.

A. General Site Conditions. Provide the following:

1. A map, at regional scale, of the mitigation bank in relation to the regional watershed and proposed mitigation service area.
2. A vicinity map showing the mitigation bank in relation to adjacent lands and offsite areas of ecological or hydrologic significance which could affect the long term viability or ecological value of the bank;
3. A recent aerial photo of the mitigation bank (no photocopies) identifying boundaries of the project area;
4. A highway map showing points of access to the Mitigation Bank for site inspection;
5. A legal description of the proposed mitigation bank;
6. A description and assessment of current site conditions including:
 - (a) a soils map of the mitigation bank site;
 - (b) a topographic map of the mitigation bank site and adjacent hydrologic contributing and receiving areas;
 - (c) a hydrologic features map of the mitigation bank and adjacent hydrologic contributing and receiving areas;
 - (d) current hydrologic conditions in the mitigation bank site;
 - (e) a vegetation map of the mitigation bank site;
 - (f) ecological benefits currently provided to the regional watershed by the mitigation bank site;
 - (g) adjacent lands, including existing land uses and conditions, projected land uses according to comprehensive plans adopted pursuant to Chapter 163, F.S., by local governments having jurisdiction, and any special designations or classifications associated with adjacent lands or waters;
 - (h) a disclosure statement of any material fact which may affect the contemplated use of the property; and
 - (i) a Phase I environmental audit of the property. (Not required for a Conceptual Approval)

B. Mitigation Bank Information

1. A description of the ecological significance of the proposed mitigation bank to the regional watershed in which it is located.
2. A mitigation plan describing the actions proposed to establish, construct, operate, manage and maintain the Mitigation bank including:
 - (a) construction-level drawings detailing proposed topographic alterations and all structural components associated with proposed activities; (Not required for a Conceptual Approval)
 - (b) proposed construction activities, including a detailed schedule for implementation; (Not required for a Conceptual Approval)
 - (c) the proposed vegetation planting scheme and detailed schedule for implementation;
 - (d) measures to be implemented during and after construction to avoid adverse impacts related to proposed activities;
 - (e) a detailed long term management plan comprising all aspects of operation and maintenance, including water management practices, vegetation establishment, exotic and nuisance species control, fire management, and control of access; and

- (f) a proposed monitoring plan to demonstrate mitigation success.
3. An assessment of improvement or changes in ecological value anticipated as a result of proposed mitigation actions including:
 - (a) a description of anticipated site conditions in the Mitigation Bank after the mitigation plan is successfully implemented;
 - (b) a comparison of current fish and wildlife habitat to expected habitat after the mitigation plan is successfully implemented; and
 - (c) a description of the expected ecological benefits to the regional watershed.
 4. Evidence of sufficient legal or equitable interest in the property which is to become the Mitigation bank to meet the requirements of the Applicant's Handbook. (Not required for a Conceptual Approval)
 5. Draft documentation of financial responsibility meeting the requirements of the Applicant's Handbook. (Not required for a Conceptual Approval)
 6. Any engineering calculations and/or computer modeling (such as hydrograph or staging) needed to assess the effects of the project on the hydrologic characteristics of the Mitigation Bank site and upstream and downstream areas.

SECTION G

Application for Authorization to use State Owned Submerged Lands

Part I:

Sovereign Submerged Lands title (ownership) information: Please read and answer the applicable questions listed below:

- A. I have a sovereign submerged lands title check from the Division of State Lands which indicates that the proposed project is NOT ON sovereign submerged lands (Please attach a copy of the title determination to the application).
Yes ☐ No ☐

If you answered Yes to Question A and you have attached a copy of the Division of State Lands Title Check to this application, you do not have to answer any other questions under Part I or II of Supplement B.

- B. I have a sovereign submerged lands title check from the Division of State Lands which indicates that the proposed project is ON sovereign submerged lands (Please attach a copy of the title determination to the application).
Yes ☐ No ☐

If you answered yes to question B please provide the information requested in Part II. Your application will be deemed incomplete until the requested information is submitted.

- C. I am not sure if the proposed project is on sovereign submerged lands.
Please check here ☐

If you have checked this box department staff will request that the Division of State Lands conduct a title check. If the title check indicates that the proposed project or portions of the project are located on sovereign submerged lands you will be required to submit the information requested in Part II of this application. The application will be deemed incomplete until the requested information is submitted.

- D. I am not sure if the proposed project is on sovereign submerged lands and I DO NOT WISH to contest the department's findings. Please check here ☐

If you have checked this box refer to Part II of this application and provide the requested information. The application will be deemed incomplete until the requested information is submitted.

- E. It is my position that the proposed project is NOT on sovereign submerged lands. Please check here ☐

If you have evidence that indicates that the proposed project is not on sovereign submerged lands please attach the documentation to the application. If the Division of State Lands title check indicates that your proposed project or portion of your proposed project are on sovereign submerged lands you will be required to provide the information requested in Part II of this application.

- F. If you wish to contest the findings of the title determination conducted by the Division of State Lands please contact the Department of Environmental Protection's General Council office. Your proposed project will be deemed incomplete until either the information requested in Part II is submitted or a legal ruling indicates that the proposed project is not on sovereign submerged lands.

Part II:

If you were referred to this section by Part I, please provide this additional information. Please note that if your proposed project is on sovereign submerged lands and the below requested information is not provided, your application will be considered incomplete.

- A. Provide evidence of title to the subject riparian upland property in the form of the recorded deed, title insurance, legal opinion of title, or a long-term lease which specifically includes riparian rights. Evidence submitted must demonstrate that the applicant has sufficient title interest in the riparian upland property.
- B. Provide a detailed statement describing the existing and proposed upland uses and activities. For commercial uses, indicate the specific type of activity, such as marina, ship repair, dry storage (including the number of storage spaces), commercial fishing/ seafood processing, fish camp, hotel, motel resort restaurant, office complex, manufacturing operation, etc.

For rental operations, such as trailer or recreational vehicle parks and apartment complexes, indicate the number of wetslip units/ spaces available for rent or lease and describe operational details (e.g., are spaces rented on a month to month basis or through annual leases).

For multi-family residential developments, such as condominiums, townhomes, or subdivisions, provide the number of living units/ lots and indicate whether or not the common property (including the riparian upland property) is or will be under the control of a homeowners association.

For projects sponsored by a local government, indicate whether or not the facilities will be open to the general public. Provide a breakdown of any fees that will be assessed, and indicate whether or not such fees will generate revenue or will simply cover costs associated with maintaining the facilities.

- C. Provide a detailed statement describing the existing and proposed activities located on or over the sovereign submerged lands at the project site. This statement must include a description of docks and piers, types of vessels (e.g., commercial fishing, leveaboards, cruise ships, tour boats), length and draft of vessels, sewage pumpout facilities, fueling facilities, boat hoists, boat ramps, travel lifts, railways, and any other structures or activities existing or proposed to be located waterward of the mean high water line/ ordinary high water line. If slips are existing and/or proposed, please indicate the number of powerboat slips and sailboat slips and the percentage of those slips available to the general public on a "first come, first serve" basis. This statement must include a description of channels, borrow sites, bridges, groins, jetties, pipelines or other utility crossings, and any other structures or activities existing or proposed to be located waterward of the mean high water line/ ordinary high water line. For shoreline stabilization activities, this statement must include a description of seawalls, bulkheads, riprap, filling activities, and any other structures or activities existing or proposed to be located along the shoreline.
- D. Provide the linear footage of shoreline at the mean high water line/ ordinary high water line owned by the applicant which borders sovereign submerged lands.
- E. Provide a recent aerial photo of the area. A scale of 1" = 200' is preferred. Photos are generally available at minimal cost from your local government property appraiser's office or from district Department of Transportation offices. Indicate on the photo the specific location of your property/ project site.

Proprietary Project Descriptions

Please check the most applicable activity which applies to your project(s):

Activity Description

Leases

- ☐ Commercial marinas (renting wetslips)/including condos, etc., if 50% or more of their wetslips are available to the general public
- ☐ Public/Local governments
- ☐ Yacht Clubs/Country Clubs (when a membership is required)
- ☐ Multi-family/but upland revenue generating (housing developments, trailer parks, apartments)
- ☐ Condominiums (requires upland ownership)
- ☐ Commercial Uplands Activity (Temporary Docking and/or fishing pier associated with upland revenue generating activities (i.e., restaurants, hotels, motels) for use of the customer at no charge
- ☐ Miscellaneous Commercial Upland Enterprises where there is a charge associated with the use of the overwater structure (Charter Boats, Tour Boats, Fishing Piers)
- ☐ Ship Building/Boat Repair Service Facilities
- ☐ Commercial Fishing Related (Offloading, Seafood Processing)
- ☐ Private Single-family Residential Docking Facilities; Townhome Docking Facilities; Subdivision Docking Facilities (upland lots privately owned)

Public Easements & Use Agreements

- ☐ Miscellaneous Public Easements and Use Agreements
- ☐ Bridge Right-of-way (DOT, local government)
- ☐ Breakwater or Groin
- ☐ Subaqueous Utility Cable (TV, telephone, electrical)
- ☐ Subaqueous Outfall or Intake
- ☐ Subaqueous Utility Water/Sewer
- ☐ Overhead Utility w/Support Structure on sovereign submerged lands
- ☐ Spoil Site
- ☐ Pipeline (gas)
- ☐ Borrow Site

Private Easements

- ☐ Miscellaneous Private Easements
- ☐ Bridge Right-of-way
- ☐ Breakwater or Groin
- ☐ Subaqueous Utility Cable (TV, telephone, electrical)
- ☐ Subaqueous Outfall or Intake
- ☐ Subaqueous Utility Water/Sewer
- ☐ Overhead Utility Crossing
- ☐ Spoil Site
- ☐ Pipeline (gas)

Consents of Use

- ☐ Aerial Utility Crossing w/no support structures on sovereign submerged lands
- ☐ Private Dock
- ☐ Public Dock
- ☐ Multi-family Dock
- ☐ Fishing Pier (Private or Multi-family)
- ☐ Private Boat Ramp
- ☐ Sea Wall
- ☐ Dredge
- ☐ Maintenance Dredge
- ☐ Navigation Aids/Markers
- ☐ Artificial Reef
- ☐ Riprap
- ☐ Public Boat Ramp
- ☐ Public Fishing Pier
- ☐ Repair/Replace Existing Public Fishing Pier
- ☐ Repair/Replace Existing Private Dock
- ☐ Repair/Replace Existing Public Dock
- ☐ Repair/Replace Existing Multi-family dock
- ☐ Repair/Replace Existing Fishing Pier (Private or Multi-family)
- ☐ Repair/Replace Existing Private Boat Ramp
- ☐ Repair/Replace Existing Sea Wall, Revetments or Bulkheads
- ☐ Repair/Replace/Modify structures/activities within an existing lease, easement, management agreement or use agreement area or repair/replace existing grandfathered structures
- ☐ Repair/Replace Existing Public Boat Ramp

Miscellaneous

- ☐ Biscayne Bay Letters of Consistency/Inconsistency w/258.397, F.S.
- ☐ Management Agreements - Submerged Lands
- ☐ Reclamation
- ☐ Purchase of Filled, Formerly Submerged Lands
- ☐ Purchase of Reclaimed Lake Bottoms
- ☐ Treasure Salvage
- ☐ Insect Control Structures/Swales
- ☐ Miscellaneous projects which do not fall within the activity codes listed above

**South Florida Water Management District's Attachments to Form 0971
JOINT APPLICATION FOR
ENVIRONMENTAL RESOURCE PERMIT
AUTHORIZATION TO USE STATE-OWNED SUBMERGED LANDS
FEDERAL DREDGE AND FILL PERMIT**

**Attachment
No.**

Title

- | | |
|---|--|
| 1 | DEP and WMD Permitting Responsibilities |
| 2 | Summary of Activities Typically Authorized by Each Permit Type |
| 3 | Permit Application Processing Fees |
| 4 | Maps Showing the Locations, Addresses and Permitting Boundaries of the DEP and WMD Offices |
| 5 | Proprietary v. Regulatory Authorization |

Attachment 1 to Instructions for Joint Application Summary of DEP and WMD Permitting Responsibilities

The Department of Environmental Protection ("Department" or "DEP") is responsible for issuing (or denying) permits for some types of activities. The Water Management Districts ("WMDs") issue (or deny) the remaining types. You must submit your permit application to the agency which is responsible for permitting your proposed activities. This summary covers typical cases; applicants with non-typical situations or who need further clarification should contact the nearest DEP or WMD office.

THE DEPARTMENT is responsible for reviewing and taking agency action on the following activities (including compliance and enforcement):

- * Systems designed to accommodate only one single-family dwelling unit, duplex, triplex, or quadraplex on a contiguous ownership of property of five acres or less, provided the single-family dwelling unit, duplex, triplex, or quadraplex is not part of a larger common plan of development or sale proposed by the applicant. The term "system" means a stormwater management system, dam, impoundment, reservoir, appurtenant work or works, or any combination thereof, including dredged or filled areas. This term includes the construction of docks, seawalls, structures, and all other types of dredging or filling in surface waters and wetlands.
- * Projects that also need a waste treatment or management permit from DEP:
 - Solid waste (except certain activities that qualify for general permits)
 - Hazardous waste (except where the storage of hazardous waste is an incidental part of the facility)
 - Domestic wastewater (except for certain applications)
 - Industrial wastewater (except certain activities that qualify for general permits)
- * All mining projects (excluding borrow pits).
- * Power plants and electrical distribution and transmission lines, including associated facilities
- * Communication cables and lines.
- * Natural gas or petroleum exploration activities and facilities, and product pipelines.
- * Docking facilities involving the creation of 10 or more new boat slips, including adjacent docking-related development and associated navigational dredging, except where the docking facility and associated navigational dredging is part of a larger plan of other commercial or residential development that has received or requires a permit under Part IV of Chapter 373, F.S. The term "adjacent docking-related development" includes parking areas for the docking facility, dry storage facilities, boat sales and supply facilities, maintenance and repair facilities, associated seafood loading and processing facilities, restaurants, and harbor master and marina administration facilities.
- * Activities proposed in whole or in part seaward of the coastal construction control line.
- * Navigational dredging conducted by governmental entities.

- * Seaports and adjacent seaport-related development where the applicant or property owner is a port authority.
- * The following activities in wetlands and other surface waters when such activities are not part of a larger plan of development: boat ramps, ski jumps, ski slalom courses, aids to navigation, mooring buoys and fields, piling supported structures which are not physically connected to uplands, estuarine and marine aquaculture facilities, fish attractors, artificial reefs, treasure salvage, and archaeological research or exploration.
- * Temporary systems for commercial film productions.
- * High speed rail facilities.
- * Magnetic levitation demonstration projects.
- * Mitigation banks primarily for: mining or power production; governmental solid waste facilities; governmental domestic wastewater facilities; industrial waste facilities; communication cables and lines; natural gas or petroleum exploration activities and facilities; and product pipelines; navigational dredging projects conducted by governmental entities; seaports; and modifications of permits previously issued by the Department.
- * Modification of permits issued by the Department. If the permit has been modified, the agency that issued the last modification to the permit shall process the modification. Modifications to Management and Storage of Surface Waters (MSSW) Permits shall be processed by the appropriate Water Management District, except that the Department shall process modifications of MSSW permits for solid waste facilities and mining projects.
- * All applications for wetland resource permits within the territory of the Northwest Florida Water Management District.

THE SOUTH FLORIDA, SOUTHWEST FLORIDA, ST. JOHNS RIVER, AND SUWANNEE RIVER WATER MANAGEMENT DISTRICTS are responsible for reviewing and taking agency action (including compliance and enforcement) on all other Environmental Resource Permit Applications. THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT is responsible for reviewing and taking agency action (including compliance and enforcement) for agriculture and silviculture activities.

Attachment 2 to Instructions for Joint Application Summary of Activities Typically Authorized by Each Permit Type

These summary lists will assist an applicant in determining what type of permit their project will normally require. These lists are only a brief summary of the various exemptions or permit types and do not contain all of the requirements for each exemption or permit. Applicants unfamiliar with the details of all the requirements which apply to the various exemptions or permit types, or uncertain of how the conditions would apply to a specific situation, should discuss their project with staff of the appropriate reviewing agency before submitting an application.

Exemptions

You do not normally need to apply for a permit for these activities. If you are uncertain if your specific project meets the conditions for an **Exemption**, contact the agency with jurisdiction in the location where the activity is proposed.

- * The repair or replacement of existing functional pipes or culverts, the purpose of which is the discharge or conveyance of stormwater
- * The installation and maintenance of intake and discharge pipes associated with marine bivalve facilities that have a valid industrial wastewater general permit
- * The performance of maintenance dredging of existing manmade canals, channels, basins, berths, and intake and discharge structures
- * The maintenance of functioning insect control structures, and the maintenance of functioning dikes and functioning irrigation and drainage ditches, including roadway drainage ditches
- * The maintenance of previously-permitted minor silviculture surface water management systems
- * The restoration of less than 100 feet in length of existing insect control impoundment dikes and the connection of such impoundments to tidally-influenced waters
- * The installation, replacement or repair of mooring pilings and dolphins associated with private docking facilities
- * The installation of private docks of 1000 square feet or less of surface area over wetlands or other surface waters or 500 square feet or less of surface area over wetlands or other surface waters for docks which are located in Outstanding Florida Waters
- * Construction of private docks in artificially-created waterways where construction will not violate water quality standards, impede navigation, or adversely affect flood control
- * The replacement or repair of existing docks and mooring piles
- * The installation and maintenance to design specifications of boat ramps on artificial bodies of water, or the installation and maintenance to design specifications of boat ramps open to the public in any wetlands or other surface waters
- * Construction of seawalls or riprap in artificially-created waterways
- * The restoration of a seawall or riprap at its previous location or within one foot waterward of its previous location
- * The construction of vertical seawalls in wetlands or other surfacewaters and the construction of riprap revetments, where such construction adjoins at both ends existing seawalls or riprap, follows a continuous and uniform construction line with the existing seawalls or riprap, is no more than 150 feet in length
- * The installation of subaqueous transmission and distribution lines laid on, or embedded in, the bottoms of wetlands or other surface waters

- * The replacement or repair of subaqueous transmission and distribution lines laid on, or embedded in, the bottoms of wetlands or other surface waters
- * Activities necessary to preserve, restore, repair, remove, or replace an existing communication or power pole or line
- * Installation, removal, and replacement of utility poles that support telephone or communication cable lines, or electric distribution lines of 35 kV or less
- * The replacement or repair of existing open-trestle foot bridges and vehicular bridges that are 100 feet or less in length and two lanes or less in width
- * Construction or maintenance of culverted driveways or roadway crossings and bridges of artificial waterways
- * The installation of aids to navigation
- * The use of rotenone, by Florida Game and Fresh Water Fish Commission
- * Construction of fresh water fish attractions by Florida Game and Fresh Water Fish Commission, U.S. Forest Service, and county and municipal governments
- * Installation of piling support structures associated with water quality testing or monitoring equipment by the Department or the Water Management Districts

NO-NOTICE GENERAL ENVIRONMENTAL RESOURCE PERMIT (Applicable only in South Florida Water Management District)

In only the South Florida Water Management District (SFWMD), proposed projects which do not qualify for an Exemption but which meet these criteria qualify for a **No-Notice General Permit**. If you are uncertain if your specific project meets the conditions for a No-Notice General Permit, please contact the staff of SFWMD.

- * Construction or alteration all in uplands, and
 - * Project area is less than ten acres, and
 - * Project area impervious surface is less than two acres, and
 - * Activities will not impact wetlands or other surface waters, and
 - * No activities are conducted in, on, or over wetlands or other surface waters, and
 - * Drainage pipes not larger than 24 inches in diameter, or hydraulic equivalent, and
 - * No drainage pumps.
- or
- * For road grading and pavement resurfacing of existing roads, the project must be entirely in uplands and not result in the impoundment or interruption of surface water into wetlands.

NOTICED GENERAL ENVIRONMENTAL RESOURCE PERMIT

Listed below are activities which may qualify for a **Noticed General Permit**. Applicants who believe their projects might qualify should discuss the proposed project with the agency with jurisdiction in the location where the activity is proposed; obtain a copy of the applicable rule section(s) where the detailed terms, conditions, limitations and restrictions are listed; and then file an application.

- * General Permit for installation, alteration or maintenance of boat ramps and associated accessory docks
- * General Permit for certain piers and associated structures
- * General Permit for installation of riprap
- * General Permit for installation of fences

- * General Permit for the construction or maintenance of culverted driveway or roadway crossings and bridges of artificial waterways
- * General Permit to the Florida Department of Transportation, counties and municipalities, for minor bridge alteration, replacement, maintenance and operation
- * General Permit to the Florida Department of Transportation, counties and municipalities for minor activities within existing rights-of-way or easements
- * General Permit for installation, maintenance, repair, and removal of underground cable, conduit, or pipeline
- * General Permit for the construction of aerial pipeline, cable, and conduit crossings of certain waters
- * General Permit for subaqueous utility crossings of artificial waterways
- * General Permit for the construction and operation of culverts and associated water control structures in mosquito control impoundments by governmental mosquito control agencies
- * General Permit for breaching mosquito control impoundments by governmental mosquito control agencies
- * General Permit for minor activities
- * General Permit for the U.S. Forest Service for minor works within National Forests
- * General Permit for the construction of artificial reefs
- * General Permit for clam and oyster culture on state-owned submerged lands
- * General Permit to perform prospecting activities for phosphate minerals
- * General Permit for temporary dragline crossings of waters
- * General Permit for low water crossings
- * General Permit for the construction and maintenance of electric powerlines by electric utilities
- * General Permit for relocation of aerial electric and communication lines associated with road improvement projects
- * General Permit for construction, operation, maintenance, alteration, removal or abandonment of minor silvicultural surface water management systems.

STANDARD GENERAL ENVIRONMENTAL RESOURCE PERMIT

Activities which do not qualify for an exemption, a no-notice general permit, or a noticed general permit may qualify for a **Standard General Permit**, if those activities meet all (except as noted) the criteria listed below. Applicants who are uncertain - especially with regard to "incidental site activities" - should contact the appropriate reviewing agency.

Applicants must file a permit application for any project which meets the criteria for a Standard General Permit.

- * System must not be capable of impounding a volume of water more than 120 acre-feet, and
 - * Construction or alteration involving less than one acre of wetlands, and
 - * Project size is less than 100 acres, and
 - * The number of boat slips is less than ten.
- or
- * Is limited to incidental site activities (not applicable in St. Johns River WMD and Southwest Florida WMD).

INDIVIDUAL, AND CONCEPTUAL, ENVIRONMENTAL RESOURCE PERMIT

Any project or activity involving the construction, alteration, operation, maintenance, repair, or abandonment of any surface water or stormwater management system, dam, impoundment, reservoir, appurtenant work or works - including dredging and filling, and establishment and maintenance of a mitigation bank - must receive an **Individual, or a Conceptual, Environmental Resource Permit**, unless the project qualifies for an exemption or some type of general permit.

U.S. ARMY CORPS OF ENGINEERS GENERAL PERMITS

Maintenance dredging in Upland Residential Canals (maximum depth 5 feet mean low water, maximum 4,000 cubic yards of dredging with upland disposal)

- * Maintenance Dredging in Upland Residential Canals (maximum depth 5 feet mean low water, maximum 4,000 cubic yards of dredging with upland disposal)
- * Private Single-Family Piers - Palm Beach County
- * Boat Ramps and Associated Structures (fill limited to 100 cubic yards)
- * Aerial Transmission Lines
- * Loosely Laid and Embedded Subaqueous Utility and Transmission Lines (except State Class IA or II waters and Aquatic Preserves, requires 6-foot burial below Federal Channels and warning signs)
- * Minor Structures (includes mooring piling, davits, boat hoists)
- * Boat Slips and Related Structures (requires upland disposal of dredged material, dredging limited, maximum dimension 50 feet)
- * Private Single-Family Piers - State of Florida
- * Private Piers - Puerto Rico and Virgin Islands
- * Boat Ramps - Puerto Rico and Virgin Islands
- * Boat Slips - Puerto Rico and Virgin Islands
- * Minor Structures - Puerto Rico and Virgin Islands
- * Subaqueous Transmission Lines - Puerto Rico and Virgin Islands
- * Private Multi-Family Piers - Florida
- * Commercial Piers - Florida
- * Bulkheads and Backfill - South Pine Island
- * Private Single-Family Piers - Dade County
- * Bulkhead and Backfill in Residential Canals - Florida
- * Fill Activities North of Alligator Alley - Golden Gate Estates - Collier County
- * Artificial Reefs and Fish Attractors
- * Residential Fill in Wetlands East of 144th Avenue in Bird Drive - Everglades Basin - Dade County
- * Mooring Buoys - Puerto Rico
- * Minor Activities - Lake Okeechobee
- * Regulatory Markers for Manatee Protection and Safety - Florida
- * Bulkheads and Backfill - Cudjoe Gardens - Cudjoe Key - Monroe County

ALL GENERAL PERMITS ARE SUBJECT TO THE ATTACHED GENERAL CONDITIONS

All general permits for single-family piers that have been revoked are now replaced by SAJ-20 effective 1 March 1994.

U. S. ARMY CORPS OF ENGINEERS NATIONWIDE PERMITS

- * Aids to Navigation
- * Structures in Artificial Canals
- * Repair, Rehabilitation, or Replacement of a Serviceable Structure of Fill
- * Fish and Wildlife Harvesting, Enhancement, and Attraction Devices and Activities
- * Scientific Measuring Devices
- * Survey Activities
- * Outfall Structures**
- * Oil and Gas Structures
- * Structures in Fleeting and Anchorage Areas
- * Mooring Buoys
- * Temporary Recreational Structures
- * Utility Line Backfill and Bedding
- * Bank Stabilization**
- * Road Crossing**
- * U.S. Coast Guard Approved Bridges
- * Return Water From Upland Contained Disposal Areas
- * Hydropower Projects**
- * Minor Discharges**
- * Oil Spill Cleanup
- * Surface Coal Mining Activities
- * Removal of Vessels
- * Approved Categorical Exclusions
- * State Administered Section 404 Program
- * Structural Discharge
- * Headwaters and Isolated Waters Discharges**
- * Wetland and Riparian Restoration and Creation Activities
- * Modifications to Existing Marinas
- * Completed Enforcement Actions
- * Temporary Construction, Access and Dewatering**
- * Cranberry Production Activities**
- * Maintenance Dredging of Existing Basins
- * Boat Ramps
- * Emergency Watershed Protection and Rehabilitation**
- * Cleanup of Hazardous and Toxic Waste**
- * Farm Buildings

**These types of activities require predischage notification.

Further explanations of listed activities can be found at 33 CFR Part 330 Appendix B.

Attachment 3

PERMIT APPLICATION FEE SCHEDULE

Environmental Resource Permits (includes grandfathered SWM Permits)

New Individual Agriculture	
Project area < 100 acres.....	\$ 3,050
Project area 100 acres to < 640 acres.....	\$ 4,000
Project area >= 640 acres.....	\$ 5,000
New Individual all others, except Agriculture	
Project area < 100 acres.....	\$ 5,000
Project area 100 acres to < 640 acres.....	\$ 7,500
Project area >= 640 acres.....	\$10,000
New Individual Operation Permit.....	\$ 3,500
Individual Modification Agriculture	
Project area < 100 acres.....	\$ 2,050
Project area 100 acres to < 640 acres.....	\$ 2,500
Project area >= 640 acres.....	\$ 3,500
Individual Modification all others, except Agriculture	
Project area < 100 acres.....	\$ 3,500
Project area 100 acres to < 640 acres.....	\$ 5,000
Project area >= 640 acres.....	\$ 7,500
New Standard General Permit (excluding incidental site activities)	
Agriculture	\$ 650
All others, except Agriculture	\$ 2,000
Standard General Permit Modification (excluding incidental site activities)	
Agriculture	\$ 500
All others, except Agriculture	\$ 1,000
Standard General Permit for Incidental Site Activities (Early Work)	\$ 500
Noticed General Permit (including Aquaculture).....	\$ 100
Single Family Residential Homesite (<= 10 acres total land area)	\$ 100
Transfer of Permit (ownership).....	\$ 450
Letter Modification Requests.....	\$ 100
New Individual Mitigation Bank	
Project area < 100 acres.....	\$ 5,000
Project area 100 acres to < 640 acres.....	\$ 7,500
Project area >= 640 acres.....	\$10,000
Individual Modification Mitigation Bank	
Project area < 100 acres.....	\$ 3,500
Project area 100 acres to < 640 acres.....	\$ 5,000
Project area >= 640 acres.....	\$ 7,500
Transfer of Permit (ownership)	\$ 450

Variance (associated w/ERP application)	
From Rule 40E-4.301(1)(e), F.A.C.	\$ 100
From other permitting standards or conditions	\$ 500
Formal Determination of Wetlands and Other Surface Waters	
Property <= 1 acre	\$ 250
Property > 1 acre but <= 10 acres	\$ 550
Property > 10 acres but <= 40 acres	\$ 750
Property > 40 acres but <= 120 acres	\$1,500
Property > 120 acres.....	**
(**Fee is \$1,500 plus \$200 for each additional 100 acres or portion thereof)	
Formal Wetland Determination Renewal	\$ 250
Proprietary Authorization (SLERP)(under Chapters 253 and 258, F.S.)	
Consent of Use.....	\$ -0-
Lease.....	\$ 200
Easement (public and private)	\$ 200

Water Use Permits

Individual Public Water Supply	
Max day allocation <= 1 MGD	\$2,700
Max day allocation > 1 MGD <= 10 MGD.....	\$5,500
Max day allocation > 10 MGD.....	\$7,000
Individual Irrigation	
Max day allocation <= 1 MGD	\$1,000
Max day allocation > 1 MGD <= 10 MGD.....	\$2,500
Max day allocation > 10 MGD.....	\$3,500
Individual Agricultural Irrigation Renewal (< 20 years)	\$1,000
Individual Mining (Dewatering)	
Max day allocation <= 1 MGD	\$1,800
Max day allocation > 1 MGD <= 10 MGD.....	\$3,250
Max day allocation > 10 MGD.....	\$4,000
Individual Industrial	
Max day allocation <= 1 MGD	\$1,400
Max day allocation > 1 MGD <= 10 MGD.....	\$2,750
Max day allocation > 10 MGD.....	\$3,500
General Permit	\$ 350
Short-term Dewatering	\$ 500
Well Construction	\$ 100
Permit Transfer (ownership).....	\$ 450
Letter Modification Request (Individual Permit)	\$ -0-
Letter Modification Request (General Permit)	\$ -0-

Wetland Resource (Dredge and Fill) Projects Qualifying for Grandfathering Pursuant to Section 373.414, F.S.

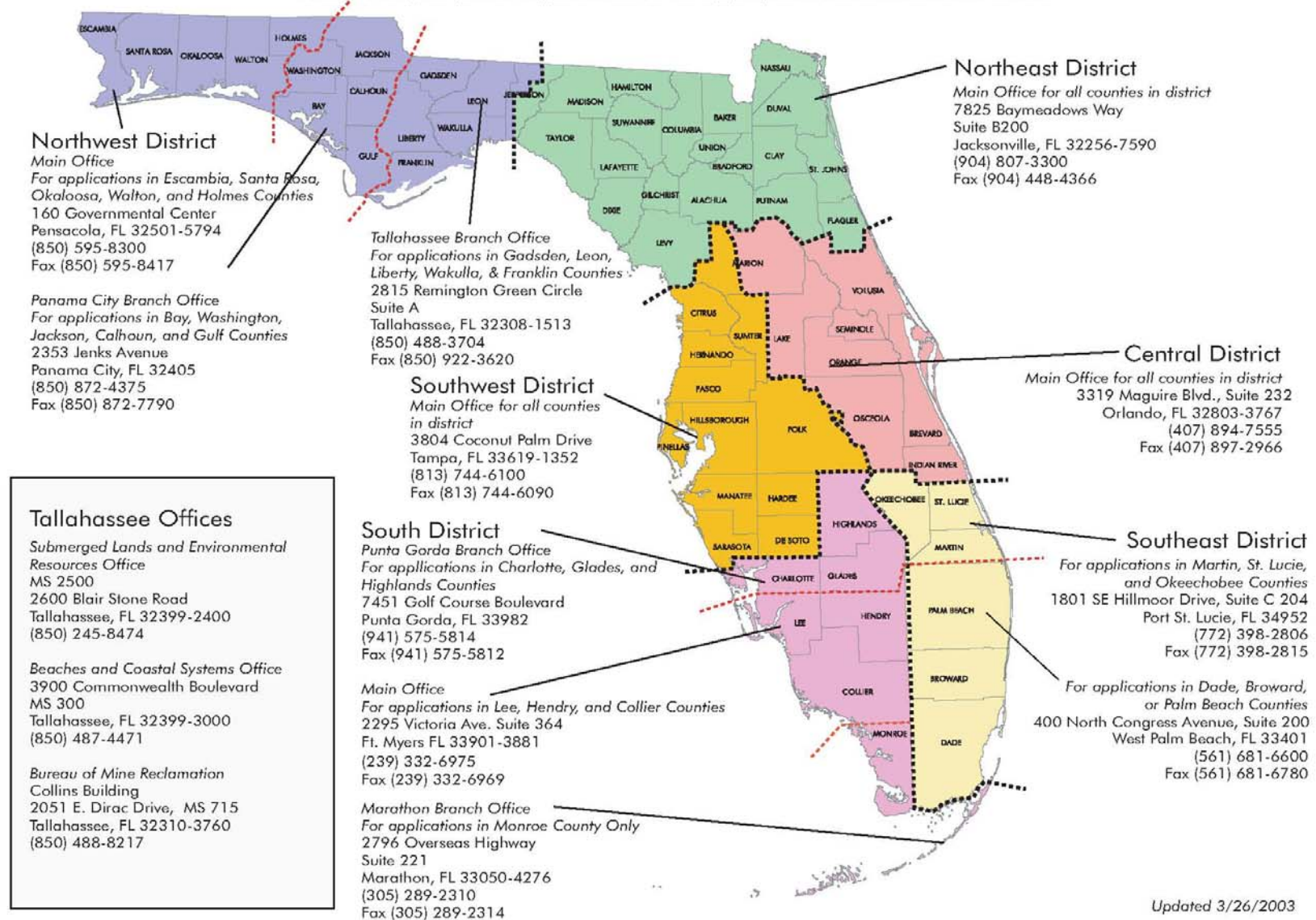
Standard Form (up through 5 years w/10 or more jurisdictional acres)	\$4,000
Short Form (up through 5 years w/less than 10 jurisdictional acres)	\$ 500
Short Form Construction Involving New Docking or Boardwalk Facilities	
3-9 New Boat Slips.....	\$ 500
0-2 New Boat Slips.....	\$ 300
Short Form (from and including 6 years through and including 10 years)	\$3,000
Standard Form (for 6 years)	***
(***fee is \$6000 plus \$1000 for each year beyond 6 years, up through and including 25 years and a corresponding fee of \$25,000)	
Variance (associated w/Dredge and Fill application)	
from Prohibition of Section 62-312.080(7), F.A.C.	\$ 100
from other standards or conditions	\$ 500
General Permit	\$ 100
Transfer of permits or time extensions.....	\$ 50
Minor technical changes	
Existing permit fee less than \$300	\$ 50
Existing permit fee more than \$300	\$ 250

NOTE: Agriculture means the science and art of production of plants and animals useful to humans, including to a variable extent the preparation of these products for human use and their disposal by marketing or otherwise, and includes aquaculture, horticulture, floriculture, viticulture, forestry, dairy, livestock, poultry, bees, and any and all forms of farm products and farm production. For the purposes of marketing and promotional activities, seafood shall also be included in this definition.

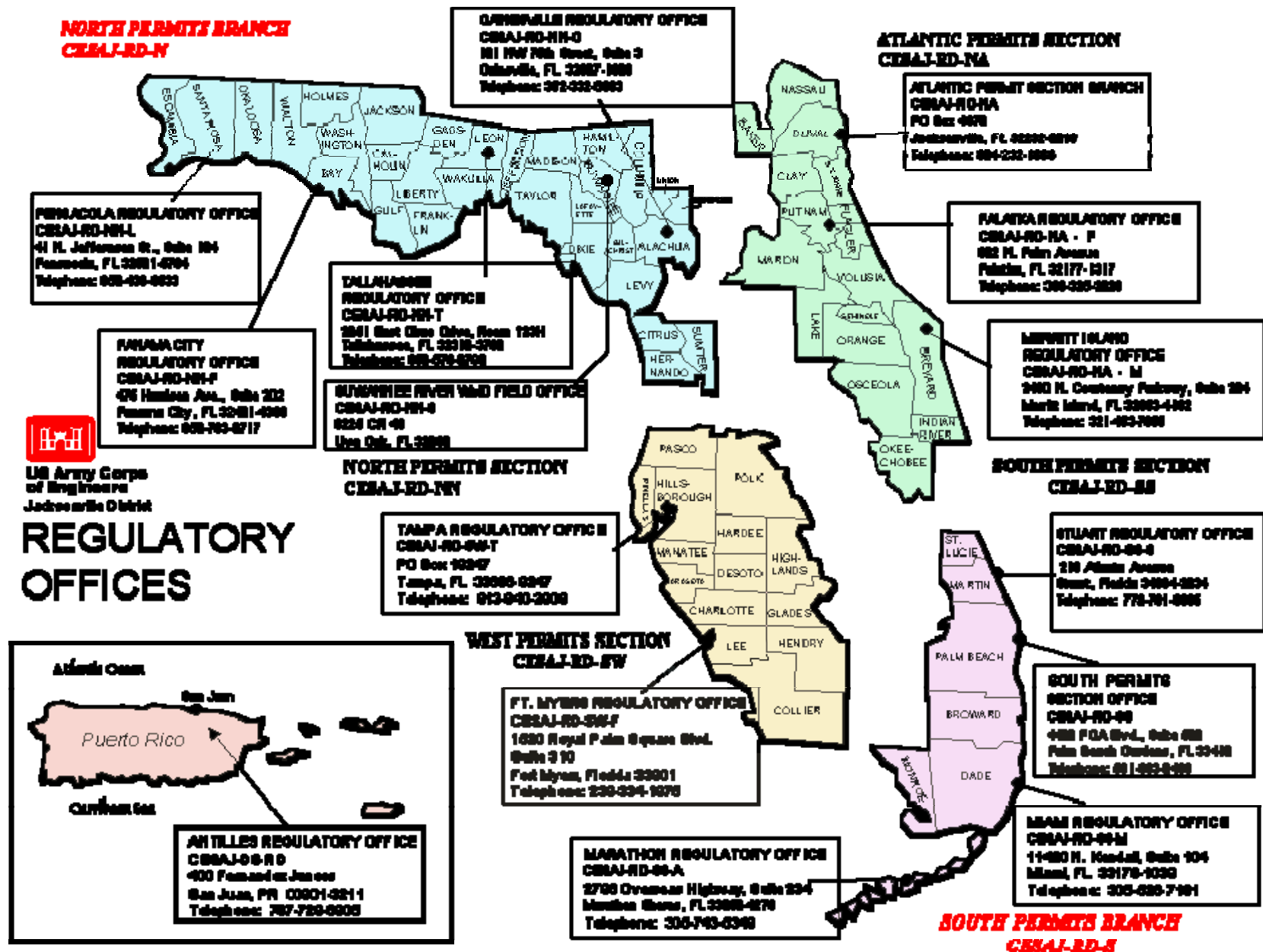
Attachment 4: Mailing Instructions for DEP Permit Applications

Applications for projects that will be reviewed by DEP (see Attachment 1) will be received by either the Beaches and Coastal Systems Office, the Bureau of Mine Reclamation (both in Tallahassee), or the district offices of the Submerged Lands and Environmental Resources Program (SLER) located throughout the state, corresponding to the project type and location as explained in Attachment 6.

Please mail your permit applications to the appropriate address indicated below.



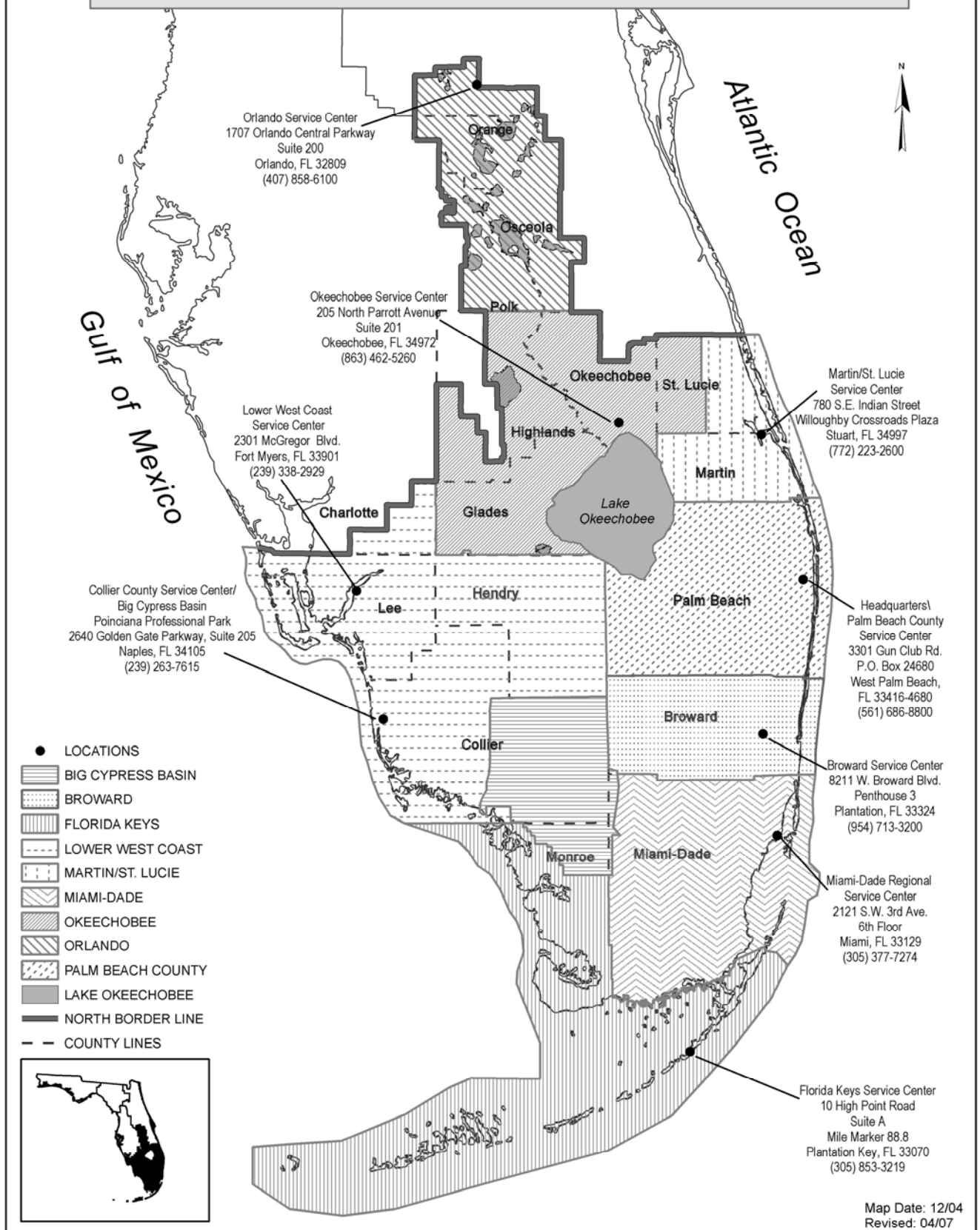
Updated 3/26/2003



PLEASE SUBMIT YOUR ORIGINAL APPLICATION TO THE DEPARTMENT OR THE APPROPRIATE WATER MANAGEMENT DISTRICT: NOT TO ONE OF THE ADDRESSES SHOWN ABOVE. (September 2003)

sfwmd.gov

South Florida Water Management District Area Service Centers



Attachment 5 to Instructions for Joint Application Proprietary versus Regulatory

As you read through this application, you will notice that some questions contained in this application have the words regulatory and proprietary associated with them.

The word regulatory refers to a type of governmental power which allows an entity of the government, such as the Department of Environmental Protection, to regulate your property as well as all publicly owned lands to some specific degree for the greater public good. The regulatory powers that the department has over private and public lands are granted to the Department by the Legislature of the State of Florida and the scope of these powers are defined in the Florida Statutes. The Department of Environmental Protection, in its regulatory capacity, is required by acts of the Florida Legislature to protect the natural resources of the state such as the air, the water and the land so as to insure that these resources will be healthy and in abundance for present and future generations.

The word proprietary essentially means ownership and all the lands in the state that are in public ownership fall into this category. Generally all the submerged lands in the State of Florida that existed when Florida became a state in 1845 are considered Sovereign, and in accordance with the Constitution of the State of Florida, these lands are held in trust by the state for all the people. This means that all the people of the state of Florida are part land owners in all the sovereign submerged lands. The concept of public ownership of sovereign submerged lands was developed and instituted by the Roman empire in the fifth century A.D. and this concept has come to be known as the public trust doctrine. Essentially the doctrine states that the sovereign submerged lands of the state including all its aquatic resources belong to all the people and should be managed for the greater benefit of the people.

The Governor and the Cabinet, as the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida, have been designated by the state's legislature as the trustees of these sovereign submerged lands and associated aquatic resources. As the trustees, the Governor and the Cabinet are responsible for the protection, preservation and management of these lands. They are responsible for insuring that these lands and the associated aquatic resources remain healthy and in abundance for present and future generations. The Governor and the Cabinet only have proprietary (ownership) authority on Sovereign submerged lands and the influenced water bodies and the ordinary high water line for fresh water bodies. The Department of Environmental Protection also acts as the staff to the trustees so that the department can review both regulatory and proprietary requirements as they may apply to a proposed activity.

If you are proposing to conduct an activity which is not located on sovereign submerged lands and is strictly being conducted on your property then you will only be required to meet regulatory standards. If your proposed activity is located on sovereign submerged lands, you will be required to meet both regulatory standards and any proprietary requirements stipulated by the trustees.