



# Florida Department of Environmental Protection

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Michael W. Sole  
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December 10, 2008

Mike Halpin, P.E.  
Florida Energy & Siting Coordinaton Office  
Department of Environmental Protection  
2600 Blair Stone Rd. MS 48  
Tallahassee, FL 32399-2400

Re: Levy Nuclear Plant Conditions of Site Certification  
DEP File No. FL0633275-001-IW1S/NP

Mr. Mike Haplin,

As proposed, the Levy County Nuclear Plant project may cause an increase in nutrients, temperature, and salinity in Crystal Bay and adjacent waters. According to 62-302.700(9) (f) 4, F.A.C. and 62-302.700(9) (f) 38, F.A.C., St. Martins Marsh and Big Bend Seagrasses Aquatic Preserves are Outstanding Florida Waters and ambient water quality conditions must be maintained. As proposed, nutrient discharge concentrations are significantly higher than ambient conditions according to Aquatic Preserve water quality monitoring data. To maintain ambient water quality conditions and protect valuable coastal resources, best management practices should be implemented for sanitary wastewater and stormwater.

Aquatic preserve staff proposes the following Conditions of Certification for the Levy County Nuclear Plant.

Any discharges during operation shall be in accordance with all applicable provisions of NPDES permit No. FL0633275-001-IW1S/NP as well as any subsequent modifications, amendments, and/or renewals.

Following certification, Progress Energy submits a Crystal Bay Surface Water Monitoring Plan pursuant to Chapter 62-302, F.A.C. The plan should include the following components:

- 1) Salinity and temperature monitoring within the surface waters of the Bay, including areas in close proximity to St. Martins Marsh and Big Bend Seagrasses Aquatic Preserves;
- 2) Nutrient sampling for Total Phosphorus (TP), and Nitrogen (TN), Total Suspended Solids), and Dissolved Oxygen (DO) within the surface waters of the Bay, including areas in close proximity to both Aquatic Preserves; and
- 3) Specific monitoring locations, sampling frequencies, methods, specific parameters to be monitored.

If the Department determines that the pre- and post operation indicate potential adverse changes in the surface water quality in Crystal Bay, then the Department may propose additional measures to evaluate or to abate such impacts to the Crystal Bay estuary.

Water quality monitoring reports should be made readily available to St. Martins Marsh and Big Bend Seagrasses Aquatic Preserves.

We hope that our comments are helpful to your review of the proposed site certification. The comments provided herein are not the final position of the Department and may be subject to revision pursuant to additional information and further review. Please keep me informed as to the progress and status of this site certification. If you have any further questions please do not hesitate to contact St. Martins Marsh & Big Bend Seagrasses Aquatic Preserve at 352-563-0450.

Sincerely,



Melissa J. Charbonneau

Environmental Specialist III, Big Bend Seagrasses Aquatic Preserve

Cc: Mr. Lee Edmiston, Director - Office of Coastal & Aquatic Managed Areas