



# Florida Department of Transportation

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SECRETARY

December 15, 2008

Mr. Mike Halpin, Program Administrator  
Florida Energy and Siting Coordination Office  
Department of Environmental Protection  
2600 Blair Stone Road, MS 48  
Tallahassee, Florida 32399-2400

Re: Progress Energy Florida Levy Nuclear Project Units 1 & 2  
Power Plant Siting Application No. PA08-51  
DOAH Case No. 08-2727EPP  
DEP Case No. 08-1621

Dear Mr. Halpin:

Enclosed is the Florida Department of Transportation's Agency Report on the power plant portion of the Progress Energy Florida Levy Nuclear Project Units 1 & 2 Power Plant Siting Application.

If there are any questions, please call either me at (850) 414-5293 or Connie Mitchell, Siting Coordinator, at (850) 414-4572. Thank you.

Sincerely,

Kimberly C. Menchion  
Assistant General Counsel

Enclosure

cc: All Parties of Record  
Connie Mitchell

**FLORIDA DEPARTMENT OF TRANSPORTATION  
LEVY COUNTY NUCLEAR POWER PLANT  
DECEMBER 2008**

**SECTION I. CORRIDOR LOCATION ISSUES**

No outstanding issues.

**SECTION II. OUTSTANDING SUFFICIENCY ISSUES**

No outstanding issues.

**SECTION III. VARIANCES TO STANDARDS**

No variances requested.

**SECTION IV. SPECIAL USE PERMISSIONS**

No special use permissions requested.

**SECTION V. RECOMMENDATION FOR CERTIFICATION**

The Florida Department of Transportation recommends the certification of the proposed power plant. This recommendation is made contingent upon the conditions of Section VI being addressed/met.

**SECTION VI. PROPOSED CONDITIONS OF CERTIFICATION**

**6.1 REQUEST FOR RESTRICTED AREAS**

No requests for restricted areas are necessary.

**6.2 POST CERTIFICATION REVIEW ITEMS**

**Access Management to the State Highway System:** Any access to the State Highway System will be subject to the requirements of Rule Chapters 14-96, State Highway System Connection Permits, and 14-97, Access Management Classification System and Standards, Florida Administrative Code.

**Overweight or Overdimensional Loads:** Operation of overweight or overdimensional loads by the applicant on State transportation facilities during construction and operation of the utility facility will be subject to safety and permitting requirements of Chapter 316, Florida Statutes, and Rule Chapter 14-26, Safety Regulations and Permit Fees for Overweight and Overdimensional Vehicles, Florida Administrative Code.

**Use of State of Florida Right of Way or Transportation Facilities:** All usage and crossing of State of Florida right of way or transportation facilities will be subject to Rule Chapter 14-46, Utilities Installation or Adjustment, Florida Administrative Code; Florida Department of Transportation's Utility Accommodation Manual (Document 710-020-001); Design Standards for Design, Construction, Maintenance and Utility Operation on the State Highway System; Standard Specifications for Road and Bridge Construction; and pertinent sections of the Florida Department of Transportation's Project Development and Environmental Manual.

U.S. 19/SR 55 and U.S. 41 have been identified as Florida Intrastate Highway System (FIHS) and Strategic Intermodal System's (SIS) facilities. The placement of the transmission line and pipeline should take into consideration the planned widening of these facilities. The cost of relocating or reconstructing the transmission line and pipeline will be borne by the applicant to the extent required by Section 337.403, Florida Statutes, and Rule Chapter 14-46, Florida Administrative Code.

**Standards:** The Manual on Uniform Traffic Control Devices; Florida Department of Transportation's Design Standards for Design, Construction, Maintenance and Utility Operation on the State Highway System; Florida Department of Transportation's Standard Specifications for Road and Bridge Construction; Florida Department of Transportation's Utility Accommodation Manual; and pertinent sections of the Department of Transportation's Project Development and Environmental Manual will be adhered to in all circumstances involving the State Highway System and other transportation facilities.

**Drainage:** Any drainage onto State of Florida right of way and transportation facilities will be subject to the requirements of Rule Chapter 14-86, Drainage Connections, Florida Administrative Code, including the attainment of any permit required thereby.

**Use of Air Space:** Any newly proposed structure or alteration of an existing structure will be subject to the requirements of Chapter 333, F.S., and Rule 14-60.009, Airspace Protection, F.A.C. Additionally, notification to the Federal Aviation Administration (FAA) is required prior to beginning construction, if the structure exceeds notification requirements of 14 CFR Part 77, Objects Affecting Navigable Airspace, Subpart B, Notice of Construction or Alteration. Notification will be provided to FAA Southern Region Headquarters using FAA Form 7460-1, Notice of Proposed Construction or Alteration in accordance with instructions therein. A subsequent Determination by the FAA stating that the structure exceeds any federal obstruction standard of 14 CFR Part 77, Subpart C for any structure that is located within a 10-nautical-mile radius of the geographical center of a public-use airport or military airfield in Florida will be required to submit information for an Airspace Obstruction Permit from the Florida Department of Transportation or variance from local government depending on the entity with jurisdictional authority over the site of the proposed structure. The FAA Determination regarding the structure serves only as a review of its impact on federal airspace and is not an authorization to proceed with any construction. However, FAA recommendations for marking and/or lighting of the proposed structure are made mandatory by Florida law. For a site under Florida Department of Transportation jurisdiction, application will be made by submitting Florida Department Transportation Form 725-040-11, Airspace Obstruction Permit Application, in accordance with the instructions therein.

**Level of Service on State Roadway Facilities:** All traffic impacts to State roadway facilities on the FIHS or the SIS, or funded by Section 339.2819, Florida Statutes, will be subject to the requirements of the level of service standards adopted by local governments pursuant to Rule Chapter 14-94, Statewide Minimum Level of Service Standards, Florida Administrative Code, in accordance with Section 163.3180(10), Florida Statutes. All traffic impacts to State roadway facilities not on the FIHS, the SIS, or funded by Section 339.2819, Florida Statutes, will be subject to adequate level of service standards established by the local governments.

**Railroad Spur:** Any newly proposed railroad crossing must comply with the criteria established in Rule Chapter 14-57, Florida Administrative Code (FAC). The following criteria must be considered in opening a new public highway-rail grade crossing on any state, county, or city roadway:

1. Safety.
2. Necessity for rail and vehicle traffic.
3. Alternate routes.
4. Effect on rail operations and expenses.
5. Closure of one or more public railroad-grade crossings to offset opening a new crossing.
6. Design of the grade crossing and road approaches.
7. Presence of multiple tracks and their effect upon railroad and highway operations.

The installation of a new public highway-rail grade crossing must have as a minimum roadside flashing lights and gates on all roadway approaches to the crossing. The installation of the crossing surface and signals must be in accordance with current Manual of Uniform Traffic Control Devices (MUTCD), Federal Railroad Administration Rules and Regulations, American Association of State Highway and Transportation Officials (AASHTO) Policy, and the Department's Manual of Uniform Minimum Standards for Design, Construction, and Maintenance for Streets and Highways (Florida's Green Book).

Areas of concern to be considered in determining the rail crossing location are as follows:

- Roads crossing the tracks at a skewed angle or where the track is curved or superelevated;
- Impaired sight distance for motorists and rail engineers;
- Highway intersections within 75 feet of the crossing which create a greater potential for accidents and create minimal vehicle storage distance;
- Crossings that are blocked for long periods of time;
- Switching movements or turnouts;
- Different elevations of tracks.

## **SECTION VII      BEST MANAGEMENT PRACTICES**

Traffic control during facility construction and maintenance will be subject to the standards contained in the Manual on Uniform Traffic Control Devices; Rule Chapter 14-94, Statewide Minimum Level of Service Standards, Florida Administrative Code; Florida Department of Transportation's Design Standards for Design, Construction, Maintenance and Utility Operation on

the State Highway; Florida Department of Transportation's Standard Specifications for Road and Bridge Construction; and Florida Department of Transportation's Utility Accommodation Manual, whichever is more stringent.

It is recommended that the applicant encourage transportation demand management techniques by doing the following:

Placing a bulletin board on site for car pooling advertisements.

Requiring that heavy construction vehicles remain onsite for the duration of construction to the extent practicable.

If the applicant uses contractors for the delivery of any overweight or overdimensional loads to the site during construction, the applicant should ensure that its contractors adhere to the necessary standards and receive the necessary permits required under Chapter 316, Florida Statutes, and Rule Chapter 14-26, Safety Regulations and Permit Fees for Overweight and Overdimensional Vehicles, Florida Administrative Code.