

**Mission:**

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



**Vision:** To be the Healthiest State in the Nation

**Rick Scott**  
Governor

**Celeste Philip, MD, MPH**  
Interim State Surgeon General

**RECEIVED**

April 6, 2016

Received 4/6/16

Cindy Mulkey, Program Administrator  
Siting Coordination Office  
Department of Environmental Protection  
2600 Blaire Stone Road, MS500  
Tallahassee, Florida 32399-2400

**Dept. of Environmental Protection**  
**Siting Coordination Office**

RE: Florida Department of Health Agency Report for  
FPL Okeechobee Clean Energy Project Site Certification Application

Dear Ms. Mulkey:

Enclosed is the Florida Department of Health's Agency Report for dated April 6, 2016, for the Florida Power and Light Okeechobee Clean Energy Center Certification Application PA15-58.

If you have questions, please call me at 850-245-4092 or Dale Holcomb at 850-245-4093.

Sincerely,

Ed Barranco, M.P.H., C.E.H.P., C.P.M.  
Environmental Administrator

EJB/dwh

**Florida Department of Health**

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**Florida Department of Health Agency Report for  
FPL Okeechobee Clean Energy Project Site Certification Application PA15-58**

April 6, 2016

The Florida Department of Health has jurisdiction for the onsite sewage treatment and disposal system to serve the domestic wastewater needs for the proposed project based on Section 381.0065, Florida Statutes and Chapter 64E-6, Florida Administrative Code.

Based on review of the preliminary plan and discussions with FPL representatives, the Florida Department of Health, Division of Disease Control and Health Protection, Bureau of Environmental Health, Onsite Sewage Programs Section offers these conclusions and recommendations related to the onsite sewage treatment and disposal system proposed to serve the domestic wastewater needs of the FPL Okeechobee Clean Energy Project.

Nonprocedural requirements requiring variance, exception or other relief

There are no nonprocedural requirements requiring variance, exception or other relief in order for the proposed electrical power plant to be certified.

Recommendation of Approval or Denial of the project

The Onsite Sewage Programs Section has no objections to the project based on the conclusion that an onsite sewage treatment and disposal system can be designed and installed to meet the domestic sewage treatment needs of the facility and meet the nonprocedural requirements of Section 381.0065, Florida Statutes (F.S.), and Chapter 64E-6, Florida Administrative Code (F.A.C.).

Proposed conditions of certification

1. No later than 90 days prior to commencement of construction of the onsite sewage treatment and disposal system, Licensee shall submit all information for an onsite sewage treatment and disposal system identified in Form DH 4015 to DEP SCO and DOH for confirmation of consistency with applicable nonprocedural requirements of Chapter 64E-6, F.A.C. in accordance with Condition XX "Procedures for Post-Certification Submittals."  
*[Rule 64E-6.004(1), (2), (3), F.A.C.]*
  - a. *Form 4015 Page 1 of 4 "Application for Construction Permit" collects specific information necessary to locate the system and to verify the design specifications for the onsite sewage treatment and disposal system.*
    - 1) Applicant, agent, contact information.
    - 2) Legal description for the property.
    - 3) Zoning for the property.
    - 4) Distance to the nearest available sewer.
    - 5) Address of the property.
    - 6) Directions to the property. Please include any protocols for seeking permission to conduct an inspection.

- 7) Regarding the water supply, (used for determining well setback) please specify whether the onsite well to be used for potable water production will be producing more or less than 2000 gallons per day total flow.
  - 8) A building description that describes the facility and activities in sufficient detail to estimate the domestic sewage flow based on Rule 64E-6.008, F.A.C.
  - 9) Please include a floor plan in sufficient detail to verify the domestic wastewater sizing criteria and a plumbing diagram sufficient to demonstrate that only domestic wastewater will be routed to the onsite sewage treatment and disposal system and that industrial wastewater and floor drains will be routed to an alternative DEP-regulated system. 64E-6.002(29) defines wastewater carried off by floor drains, utility sinks and equipment drains located in buildings in industrial or manufacturing areas as industrial, hazardous or toxic sewage waste.
- b. *Form 4015 Page 2 of 4 "Part II - Site Plan"* - Use of the form is not required however the site plan needs to include the information specified in Rule 64E-6.004(3)(a), F.A.C.
- c. *Form 4015 Page 3 of 4 "Site Evaluation and System Specifications"* collects site-specific information that is used to verify that the property is large enough to accommodate the nutrient loading from the anticipated sewage flow, there is sufficient area for the system and future repair, the system meets the minimum setback requirements and separation from the seasonal high water table and unsuitable soil horizons. The site evaluation may be performed by the system design engineer, a master septic tank contractor, a certified environmental health specialist, a soil scientist, or by Florida Department of Health personnel per 64E-6.004(3), F.A.C.
- 1) Applicant, Agent, Lot, Block, Property ID tie the site evaluation to the application information
  - 2) Estimated flow and authorized lot flow demonstrate that that the authorized nutrient loading to the property are not exceeded.
  - 3) Unobstructed area is the area that includes the drainfield plus a reserve for future system repair.
  - 4) Benchmark location states the physical location where the elevation reference point or benchmark is located.
  - 5) The elevation of the proposed system site ties the grade elevation at the location of the soil profiles to the benchmark.
  - 6) The minimum setbacks should reflect the distance from the system, as shown on the site plan, to the listed protected features.
  - 7) If the site is frequently flooded, the site evaluation should indicate that fact. Ten-year flood elevations and the site elevation referenced to NGVD or MSL are not applicable for this site.
  - 8) Two soil profiles to 72 inches or refusal describing the soil using USDA Soil Classification methodology are required to determine soil texture for system sizing and seasonal high water table depth for system elevation and depth to unsuitable soil necessitating system elevation or soil replacement.
  - 9) Other site observations that contribute to the determination of seasonal high water table elevation.
  - 10) Soil texture and loading rate to be used for sizing the system drainfield based on application of the Rule 64E-6.008, Table III and Rule 64E-6.009, F.A.C.

- 11) Depth [below grade] of any excavation necessary to remove an unsuitable soil horizon.
  - 12) The drainfield configuration based on the site plan and detailed system design plans.
  - 13) The Florida Department of Health shall require an engineer to provide detailed system design plans, if applicable, under the provisions of Rule 64E-6.004(4), F.A.C.
2. The onsite sewage treatment and disposal system shall be installed by a state-registered septic tank contractor or state-licensed plumber.  
*[section 381.0065(4), F.S.]*
  3. Following installation of the onsite sewage treatment and disposal system, but prior to covering the system with earth, the system will require inspection by the representatives of the Florida Department of Health in Okeechobee County. Additional inspections are required for incomplete or non-compliant items. As the high water table conditions require a mound installation, a second inspection is necessary after the system is covered with earth and stabilized with sod.  
*[Rules 64E-6.003(2) and 64E-6.009(3)(f), F.A.C.]*
    - If the onsite sewage treatment and disposal system is designed by an engineer, the Florida Department of Health shall require the design engineer to certify that the installed system complies with the approved design and installation requirements per 64E-6.004(4), F.A.C..
  4. As the facility is an industrial-equivalent zoned activity, an annual inspection by a representative of the Florida Department of Health in Okeechobee County will be required to verify ongoing compliance with the requirements of section 381.0065(4)(i), F.S., along with payment of the associated annual operating fee under Rule 64E-6.030(1)(l), F.A.C. (currently \$150.00 per year as of April 5, 2016). Pursuant to section 403.511(1), F.S., this shall not be construed as requiring FPL to obtain separate permits for operation of the onsite sewage treatment and disposal system.  
*[section 381.0065(4)(i)3, F.S. and Rule 64E-6.030(1)(l), F.A.C.]*
  5. Should the onsite sewage treatment and disposal system require repair, replacement, modification, or abandonment, such action shall be taken in accordance with the nonprocedural requirements of Chapter 64E-6, Florida Administrative Code, and Section 381.0065, Florida Statutes.  
*[section 381.0065(4), F.S., and Rules 64E-6.001(4), .003(1), and .0015(1), F.A.C.]*