FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Electronically Sent – Received Receipt Requested
Mr. Tony Candales, Assistant General Manager of Production
City of Lakeland; Lakeland Electric
501 E. Lemon Street
Lakeland, Florida 33801-5079

Re: Permit No. 1050352-008-AV
Winston Peaking Station
Proposed Title V Air Operation Permit Revision

Dear Mr. Candales:

One copy of the proposed permit determination for the revision of the Title V air operation permit for the Winston Peaking Station located one-mile southeast of the intersection of Airport Road and Old Tampa Highway in Lakeland, Florida, is enclosed. This letter is only a courtesy to inform you that the draft permit has become a proposed permit.

An electronic version of this determination has been posted on the Division of Air Resource Management's world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. The web site address is:

http://www.dep.state.fl.us/air/emission/apds/default.asp

Pursuant to Section 403.0872(6), Florida Statutes, if no objection to the proposed Title V air operation permit is made by the USEPA within 45 days, the proposed permit will become a final permit no later than 55 days after the date on which the proposed permit was mailed (posted) to USEPA. If USEPA has an objection to the proposed permit, the final permit will not be issued until the permitting authority receives written notice that the objection is resolved or withdrawn.

If you have any questions, please contact the Project Engineer, Teresa Heron, by telephone at 850-717-9082 or by email at: teresa.heron@dep.state.fl.us.

Sincerely,

On Behalf of:

Digitally signed by Jonathan Holtom
Date: 2013.11.22 09:57:22 -05'00'

Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

Enclosures
JFK/sa/jh/th

Mr. Tony Candales, Lakeland Electric: tony.candales@lakelandelectric.com
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PROPOSED PERMIT DETERMINATION

Permit No. 1050352-008-AV

I. Public Notice.

An Intent To Issue Air Permit issued to Lakeland Electric for the Winston Peaking Plant located one-mile southeast of the intersection of Airport Road and Old Tampa Highway in Lakeland, Polk County, Florida was clerked on October 11, 2013. The Public Notice Of Intent To Issue Air Permit was published in in The Ledger, a daily newspaper in Lakeland, Polk County, on October 18, 2013. The draft Title V air operation permit was available for public inspection at the permitting authority's office in Tallahassee. Proof of publication of the Public Notice Of Intent To Issue Air Permit was received on October 21, 2013.

II. Public Comment(s).

No Comments were received from the public during the 30-day public comment period; however, comments were received from the Permittee. The comments were not considered significant enough to reissue the draft Title V air operation permit and require another Public Notice; therefore, the draft Title V air operation permit was corrected. The applicant's comments are addressed below. Additions to the permit are indicated by a double underline. Deletions from the permit are indicated by a ~~strike through~~.

E-mail from Lakeland Electric' s representative dated November 5, 2013.

On November 5, 2013, the Department received an e-mail from Lakeland Electric (LE) suggesting the following corrections to the language of several Specific Conditions contained in the draft permit.

1. *Comment:* LE believes that the *Marking Provisions*, listed in permit conditions A.2. and CP.2. do not apply to the fuel requirement for RICE engines and refers the language in Section 63.6604 to support its point: "*If you own or operate an existing non-emergency, non-black start CI stationary RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel.*" LE adds that Section 40 CFR 80.510(b) only restricts sulfur content and cetane index/aromatic content. LE also notes and compares that the recently issued Title V Permit for Disney (0950111-032-AV) does not list *Marking Provisions* under Method of Operation – Fuels (Specific Condition E.2.).

   Response: The Department agrees that the marking provisions contained in 40 CFR 80.510(f) are not requirements that are applicable to these units. Their inclusion in Specific Conditions A.2. and CP.2. were inadvertent errors and they have been removed. In addition, the rule citation in these conditions has been updated to reflect the correct applicable requirements. In response to this comment, Specific Conditions A.2. and CP.2. have been corrected as follows:

   A.2. Methods of Operation - (i.e. Fuels). Only No. 2 fuel oil and natural gas can be fired in the internal combustion engines. The permittee shall demonstrate compliance with the fuel oil sulfur limit by keeping the records specified in this permit.

   a. Natural Gas. The heat input from natural gas shall not exceed 26.35 MMBtu/hr. Firing of natural gas requires 6% diesel fuel for ignition.

   b. Fuel Oil. The heat input from No. 2 fuel oil shall not exceed 25 MMBtu/hr at full load or 28 MMBtu/hr at peak load. ~~The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.05 percent, by weight.~~

      (1) *Sulfur Content*. The sulfur content shall not exceed = 15 ppm = 0.0015% by weight (ultra low sulfur) for non-road fuel.

      (2) *Cetane and Aromatic*. The fuel must have a minimum cetane index of 40 or must have a maximum aromatic content of 35 volume percent.

      ~~(3) *Marking Provisions*. The diesel fuel fired shall be free of marker solvent yellow 124 until November 30, 2014. After December 1, 2014, there are no requirements or restrictions on the use of marker solvent yellow 124.~~

   [Rule 62-213.440(1)(b), F.A.C.; 40 CFR 63.6604(a), 40 CFR 80.510(~~c~~b), ~~80.510(f)(2) & 80.510(f)(7)~~; and, Construction Permits 1050352-001-AC & 1050352-004-AC]

CP.2. Methods of Operation - (i.e. Fuels). Only No. 2 fuel oil and natural gas can be fired in the internal combustion engines. The permittee shall demonstrate compliance with the fuel oil sulfur limit by keeping the records specified in this permit.

c. *Natural Gas*. The heat input from natural gas shall not exceed 26.35 MMBtu/hr. Firing of natural gas requires 6% diesel fuel for ignition.

d. *Fuel Oil*. The heat input from No. 2 fuel oil shall not exceed 25 MMBtu/hr at full load or 28 MMBtu/hr at peak load. The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.05 percent, by weight.

e. Beginning January 1, 2015, you must use diesel fuel that meets the requirements listed below for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

(1) *Sulfur Content*. The sulfur content shall not exceed = 15 ppm = 0.0015% by weight (ultra low sulfur) for non-road fuel.

(2) *Cetane and Aromatic*. The fuel must have a minimum cetane index of 40 or must have a maximum aromatic content of 35 volume percent.

~~(3) *Marking Provisions*. The diesel fuel fired shall be free of marker solvent yellow 124 until November 30, 2014. After December 1, 2014, there are no requirements or restrictions on the use of marker solvent yellow 124.~~

[Rule 62-213.440(1)(b), F.A.C.; 40 CFR 63.6604(b), 40 CFR 80.510(~~c~~b)~~, 80.510(f)(2) & 80.510(f)(7)~~; and, Construction Permits 1050352-001-AC & 1050352-004-AC]

2. *Comment:* LE believes the reference to 63.6625(e) in Specific Condition A.12 does not seem to be applicable to the non-emergency option for the 20 Winston engines. LE states that Section 63.6625(e) only lists 10 different engine categories and believes that the existing non-emergency engines with a site rating greater than 500 HP located at an area source of HAP emissions is not one of them.

Response: The Department agrees that 40 CFR 63.6625(e) is not an applicable requirement for these non-emergency engines. The maintenance requirements applicable to these engines is specified in 40 CFR 63.6605(b), which is included in the permit in Specific Condition A.17. Specific Condition A.12. has been deleted and the remainder of the conditions have been renumbered, accordingly. The Deparment has also updated the references to the new Specific Condition Nos., as appropriate, in Tables 1 and 2 (Appendices).

3. *Comment*: LE states that the third sentence in Specific Condition A.37. (A.38 in draft permit) refers to Specific Condition A.45., which does not exist.

Response: The Department has corrected this typographical error by changing the reference to Specific Condition A.41. (A.42. in draft permit).

4. *Comment*: LE notes that paragraph a. seems to be identical to paragraphs e.(5) and e.(6) in Specific Condition A.41. (A.42. in draft permit).

Response: The Department agrees that the condition as written contains redundant language. Specific Condition A.41. has been revised as follows:

A.41. Compliance Reports. Lakeland Electric must submit semiannual Compliance Reports according to the following requirements~~. The Reports must be submitted semiannually according to the requirements in paragraph d. and must~~:

~~a. If there are no deviations from any emission limitations or operating limitations that apply to the owner or operator, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. If there were no periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were not periods during which the CMS was out-of-control during the reporting period. Link to 40 CFR 63.8~~

~~b. If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in paragraph f. If there were periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), the information in paragraph g.~~

~~c. If you had a malfunction during the reporting period, the information in paragraph e.(4).~~

~~d~~a. Each semiannual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31 and must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

~~e~~b. The Compliance report must contain the following information:

(1) Company name and address.

(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with Specific Condition **A.16.**, including actions taken to correct a malfunction.

(5) If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

(6) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period. Link to 40 CFR 63.8

~~f~~c. For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this permit, the compliance report must contain the information in paragraphs ~~e~~b.(1) through (4), above, and the information in paragraphs ~~f.~~(1) and (2), below.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

~~g~~d. For each deviation from an emission or operating limitation occurring for a stationary RICE where you are using a CMS to comply with the emission and operating limitations in this subpart, you must include information in paragraphs ~~e~~b.(1) through (4), above, and ~~f.~~(1) through (12), below.

(1) The date and time that each malfunction started and stopped.

(2) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.

(3) The date, time, and duration that each CMS was out-of-control, including the information in § 63.8(c)(8).

(4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.

(5) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.

(6) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.

(7) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.
(8) An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.
(9) A brief description of the stationary RICE.
(10) A brief description of the CMS.
(11) The date of the latest CMS certification or audit.
(12) A description of any changes in CMS, processes, or controls since the last reporting period.

~~h~~e. If you submit a compliance report pursuant to this specific condition along with, or as part of, the semiannual monitoring report required in Appendix RR, and the compliance report includes all required information concerning deviations from any emission or operating limitation, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

[40 CFR 63.6650(a) - (f) and Table 7]

5. *Comment*: LE notes that Specific Conditions A.3., A.6., A.15., A.24., A.36., CP.6., CP.14., CP.21., and CP.23. show a "*Error! Reference source not found*" when citing another condition reference number.

Response: This *"Error Reference"* is due to the conversion of the word document to pdf. The Department will update the pdf version.

III. Conclusion.

The enclosed proposed Title V air operation permit includes the aforementioned corrections to the draft Title V air operation permit.

The permitting authority issues the proposed permit No. 1050352-008-AV, with the corrections noted above.