FINAL DETERMINATION

PERMITTEE

Florida Power and Light (FPL)
Turkey Point Nuclear Plant
9760 Southwest 344th Street
Florida City, Florida 33035

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Permit No. 0250003-021-AV
Turkey Point Nuclear Plant

The purpose of this permitting project is for the renewal of the existing Title V air operation permit for the above referenced facility.

NOTICE AND PUBLICATION

The Department distributed an Intent to Issue Air Permit package on March 7, 2013. The applicant published the Public Notice of Intent to Issue Air Permit in the Miami Herald on March 15, 2011. The Department received the proof of publication on March 25, 2013. A proposed permit was issued for EPA review on March 15, 2013.

COMMENTS

No comments on the proposed permit were received from the EPA Region 4 Office; however, the following minor comments were received from the applicant:

1. Currently, on page 2 of 18 in the " draft" Title V permit renewal, "Subsection B. Summary of Emission Units" contains the following statement:
   " ... The engines contained in unregulated Emission Units 005 and 006 are exempt from the requirements of 40 CFR 63, Subpart ZZZZ, because they are existing emergency engines greater than 500 HP located at a major source of HAP."

   Since the Security System Diesel Generator contained in EU006 is classified as a "new" stationary RICE engine under 40 CFR 63, Subpart ZZZZ, FPL requests that this language be amended as follows:
   " ... The engines contained in unregulated Emission Units 005 and 006 are exempt from the requirements of 40 CFR 63, Subpart ZZZZ, because they are existing or new emergency engines greater than 500 HP located at a major source of HAP."

2. EU007, on Page 6 of 18, indicates incorrect information for the 10-Meter Land Utilization Meteorological Tower Generator. The proper engine manufacturer is "Yanmar." This engine is contained within an Isuzu Generator set. The correct model number should be "3CE1."

3. It appears that the application may contain a typo in reference to the emission limit for the Service Feed Water Pump in EU007. Specific Condition A.5.(b) indicates 3.5 g/KW-hr as the CO emission limit for this engine. Based on 40 CFR 60, Subpart IIII and 40 CFR 89.112(a), the correct CO emission limit is 5.0 g/KW-hr (EPA Tier III standard).

4. It appears that the application may contain a typo in reference to the emission limit for the Service Feed Water Pump in EU007. Specific Condition A.6.(b) indicates 0.2 g/KW-hr as the PM emission limit for this engine.

Based on 40 CFR 60 Subpart IIII and 40 CFR 89.112{a), the correct PM emission limit is 0.3 g/ KW-hr (EPA Tier III standard)

5. EU023, on Page 10 of 18, indicates incorrect information for the South Dade Meteorological Tower Diesel Engine No. 2. The table currently indicates a 7.5 liters/cylinder displacement, whereas the application indicated a 0.61 liters/cylinder displacement based on engine specification.

6. Under Appendix U "List of Unregulated Emissions Units and/or Activities," the following Model and Serial Numbers need to be revised:

   – Engine for Unit 3A: GM Model S20-645-E4
   – Engine for Unit 3B: GM Model S20-645-F4B
   – Domestic Wastewater Engine: Model SR-4
   – Standby Diesel Engine for Back-up Feed Water Pump: Model 3508-DITA; Serial 95Y00945

Department Response: The Department believes that these identified items are administrative in nature. The requested administrative corrections have been made in the final permit.

CONCLUSION

The final action of the Department is to issue the permit with the minor administrative corrections listed above.