

**INTEROFFICE MEMORANDUM**

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TO: Permit File AC 49-46521

THRU: Clair Fancy  
Bill Thomas  
Larry George

FROM: Cleve Holladay, Teresa M. Heron *T.H.*

SUBJ: Preliminary Rule Applicability Kissimmee Utilities,  
Osceola County

DATE: September 4, 1981

An application for permit to construct was submitted to the Central Air Permitting Section on August 31, 1981, by Kissimmee Utilities (KPP). The application is being reviewed for completeness; day 30 will be September 30, 1981.

The proposed project is a combined cycle combustion turbine/steam generator, with a total net generating capacity of 46.5 MW and a gross generating capacity of 49.9 MW. The turbine will be fired with natural gas; No. 2 fuel oil will be used as a standby fuel.

The Kissimmee Power Plant (KPP) is located in an area designated in Section 17-2.04 F.A.C. as attainment for all criteria pollutant. It is 125 km from the nearest Class I area, the Chassahowitka National Wildlife Refuge, and within the area of influence of Orange County nonattainment area for ozone.

The source is a major emitting facility for sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) as defined in Chapter 17-2 F.A.C. because the potential emissions exceeds 250 tons per year. The potential and projected emissions are listed below:

Potential	Potential Emission Rate (tons per year)	Applicant's Projected Emission Rate (tons per year)
Particulate Matter (PM)	69	21
SO <sub>2</sub>	1,700	30
NO <sub>x</sub>	2,580	1,290
HC <sup>x</sup>	82	82
CO	227	227

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The proposed project is subject to the provision of Subsection (17-2.04(6)FAC) prevention of significant deterioration (PSD) review, which requires the use of best available control technology (BACT) for all pollutants emitted, and an air quality impact analysis of the increased emissions.

The source is also subject to the provisions of the federal New Source Performance Standard (NSPS) for Gas Turbines<sup>40</sup> CFR Subpart GG. This NSPS has been adopted by reference in Section 17-2.21 F.A.C.

TH:caa