P.E. CERTIFICATION STATEMENT

PERMITTEE

City of Gainesville, Gainesville Regional Utilities (GRU)
P.O. Box 147117 (A136)
Gainesville, Florida 32614-7117

Draft Permit No. 0010006-014-AC
Deerhaven Generating Station, Unit 2
Low-NOx Burner Project
Alachua County, Florida

PROJECT DESCRIPTION

GRU operates an existing electrical generating plant at its Deerhaven Generating Station, which located in Alachua County at 10001 NW 13th Street in Gainesville, Florida. The facility proposes to replace the existing Unit 2 coal burners with a low-NOx burners (LNB) system and a modified over-fire air (OFA) system. The goal of the proposed project is to reduce operating costs related to ammonia injection for the recently installed selective catalytic reduction (SCR) system, which controls emissions of nitrogen oxides (NOx). Based on Computational Fluid Dynamics (CFD) modeling, the burner vendor predicts no concurrent increase in carbon monoxide (CO) emissions. The project is not expected to result in an increase in the maximum heat input rate nor emissions.

This project is subject to the general preconstruction review requirements in Rule 62-212.300, Florida Administrative Code (F.A.C.) and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. The Department's full review of the project and rationale for issuing the draft permit is provided in the Technical Evaluation and Preliminary Determination.

I HEREBY CERTIFY *that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify any other aspects of the proposal (including, but not limited to, the electrical, civil, mechanical, structural, hydrological, geological, and meteorological features).*

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Jeffery F. Koerner, P.E. (Date)
Registration Number 49441