Timothy E. Parker, C.F.A.
Putnam County Property Appraiser
386/329-0286 • 1-800-826-1437 x0286 • Fax: 386/329-0447
www.putnam-fl.com/app • appraiser@putnam-fl.com

May 26, 2010

Michael P. Halpin, P.E.
Department of Environmental Protection
Mail Stop 48
3900 Commonwealth Blvd.
Tallahassee, FL 32399-3000

RE: Seminole Electric Pollution Control Devices

Dear Mr. Halpin:

Enclosed you will find the Return of Pollution Control Devices for the above referenced account in our county.

Would you please review this information and advise me as to what qualifies for assessment as pollution control devices under Section 193.621, Florida Statutes. If you need any additional information, let me know. Thank you for your assistance.

Sincerely,

Justin Edwards, CFE
Office Operations Supervisor

DEPARTMENT OF
ENVIRONMENTAL PROTECTION
MAY 28 2010
SITING COORDINATION

FLORIDA
DEPARTMENT OF REVENUE

DR-492
R. 08/83

Return of Pollution Control Devices For Ad Valorem Tax Purposes

Florida Statutes Chapter 193.621

To the Property Appraiser Honorable Timothy E. Parker

Putnam County, Florida, as of January 1, 2010

Return is hereby made for the assessment of the following described property under Florida Statutes as pollution control devices.

Description of Property

See Attached

Description of Facility

See Attached

Name and address of owner:

SEMINOLE ELECTRIC COOPERATIVE, INC.
P.O. Box 272000
Tampa, FL 33688-2000
ATTN: Tax Accounting

The undersigned taxpayer hereby agrees to furnish such other reasonable information as the Appraiser may request in regard to the assessment requested herein.

Matthew L. Dargan
Taxpayer's Signature

Matthew L. Dargan
Manager of Tax

This form must be filed with the County Property Appraiser before April 1st.

ORIGINAL TO BE RETAINED BY PROPERTY APPRAISER

COPY TO BE GIVEN TO TAXPAYER

Seminole Electric
COOPERATIVE, INC.
IN PARTNERSHIP WITH THOSE WE SERVE

February 15, 2010

Honorable Tim Parker
Putnam County Property Appraiser
PO Box 1920
Palatka, FL 32178-1920

RE: Certification of Pollution Control Facilities

Dear Mr. Parker:

With respect to the equipment and facilities (collectively, "facilities") described on the attached pages concerning Seminole Electric Cooperative, Inc.'s Seminole Generating Station located off U.S. Highway 17 North, of Palatka, Florida, I do hereby certify that all of these facilities qualify as pollution control facilities pursuant to Section 193.621, Florida Statues, and that as such as they are used primarily for pollution control purposes pursuant to Florida Department of Environmental Protection Ad Valorem Tax Assessment Rules – Guidelines for Tax Assessors, Chapter 62-8. All of these facilities were constructed pursuant to Federal and/or State laws or regulations and in accordance with various permits.

Best Regards,

Thomas J. Wess, P.E.
Director of Engineering
State of Florida License # 38037

16313 North Dale Mabry Highway P.O. Box 272000 Tampa, Florida 33688-2000
Telephone 813.963.0994 Fax 813.264.7906 www.seminole-electric.com

Seminole Electric
COOPERATIVE, INC.
IN PARTNERSHIP WITH THOSE WE SERVE

February 15, 2010

To: Matthew Dargan
From: Thomas Wess

Seminole Generating Station
Pollution Control Upgrade Project
System Descriptions

General

In order to comply with the requirements established by EPA's Clean Air Interstate Rule (CAIR) for reductions in Nitrous Oxide (NOx) and Sulfuric Oxide (SO_2) emissions, Seminole Electric Cooperative, Inc. established a Pollution Control Upgrade Project to install the necessary equipment to meet the needs of the Rule.

A Selective Catalytic Reduction (SCR) system was installed to reduce the amount of NOx that was generated from the combustion of coal. This system is designed to remove NOx from the flue gas exiting the steam generator (boiler) by means of a catalytic reaction that takes place in the presence of ammonia. This system contains 2 catalyst reactors filled with chemically treated modules, a flue gas duct system that includes isolation and control dampers to direct the flow of gas from the boiler through the reactors and back to the remaining flue gas processing stream, a urea to ammonia conversion system, an ammonia injection system and a new induced draft fan system to overcome increases in draft losses created by the installation of the catalyst reactors in the flue gas exhaust system on each generating Unit. The estimated cost associated with SCR portion of the Pollution Control Upgrade Project is $180,180,565

Seminole's environmental permit to install the Pollution Control Upgrade equipment required that there be no net increase in the formation of sulfur trioxide (Sulfuric Acid Mist, SO_3) associated with the installation of the SCR system. As a result, Seminole installed an Alkali Injection System (Hydrated Lime Injection). This system takes lime in dry form stored in silos on site which is conveyed to multiple locations within the flue gas exhaust flow stream where it is injected to mitigate the formation of sulfuric acid mist. There is one complete system per generating Unit that consists of a hydrated Lime unloading system, 2 – 100 ton storage silos with fluidizing bottoms, 2 rotary feeders with air locks, 4 – 40 HP delivery blowers with modular dehumidification systems and a piping conveying system to four separate locations within the flue gas exhaust flow stream. The estimated cost associated with the Alkali Injection system portion of the Pollution Control Upgrade Project is $11,311,608

The CAIR Rules also required Seminole to increase the amount of sulfur dioxide (SO_2) that is removed from the flue gas exhaust flow stream. In order to accomplish this increase, the existing Flue Gas Desulfurization (FGD) system was upgraded to include the installation of perforated plates across the full diameter of each absorber (Scrubber) module which increased the amount of flue gas residence time thereby increasing the sulfur dioxide removal capacity. These upgrades created a cascading series of modifications to existing equipment and the addition of new equipment throughout the FGD process to accommodate the higher production volume of scrubber sludge that resulted from the increased removal of sulfur dioxide. The modifications to each generating Unit were the installation of alloy perforated plates in each of the five (5) absorber modules, major changes to the mist eliminator wash system and a new pH control system. The increase in scrubber sludge volume from both of the generating Units

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required additional oxidation equipment, a new sludge delivery, handling and process system containing transport conveyors, sludge storage tank, particulate removal system, waste storage and handling, sludge dewatering filter presses, upgraded electrical system and a complete process control system. The estimated cost associated with the FGD Upgrade portion of the Pollution Control Upgrade Project is $69,513,207

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