

**HARDEE POWER  
PARTNERS LIMITED**

Invenergy

Via Federal Express 7987 8502 2939

June 23, 2010

Ms. Danielle Henry  
Florida Department of Environmental Protection  
Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926

RECEIVED  
JUN 24 2010  
BUREAU OF  
AIR REGULATION

Re: Hardee Power Partners Limited  
Hardee Power Station (HPS)  
Title V Air Operation Permit No. 0490015-013-AV  
Unit CT-2B Tuning Session – NOx Emissions Summary Report

Dear Ms. Henry,

On May 6, 2010, Mr. Dennis Powell of the Hardee Power Station (HPS) submitted a request for authorization of excess emissions while conducting tuning of the lean-premix combustion system on combustion turbine Unit 2B. Per a letter dated May 6, 2010 from Mr. Jeff Koerner of the FDEP's Tallahassee Office, authorization of excess emissions due to tuning was granted with several conditions, one of which was to submit a report summarizing the hourly nitrogen oxides (NOx) emissions for the tuning sessions. Hardee Power Partners hereby submits the enclosed hourly NOx emissions summary for the Unit 2B tuning sessions. Please note that HPS was able to avoid any exceedances of permitted emission rates during the tuning.

Please feel free to contact Dennis Powell at (863) 375-3266 if you have any questions regarding this information.

*I certify that, based on the information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate, and complete.*

Sincerely,



Ralph E. Randall  
Plant Manager

Cc: Florida Department of Environmental Protection 7987 8503 1760  
Ms. Trina Vielhauer  
Division of Air Resource Management  
Magnolia Center – MS 5550  
3900 Commonwealth Blvd.  
Tallahassee, Florida 32399

**Hourly NOx Emissions During Tuning**

**Fuel: Natural Gas**

**Permit limit: 9.0 ppm @15% O<sub>2</sub> (24-hr block avg)**

Date / Time	NOx Conc. (ppm @15% O <sub>2</sub> )
5/6/2010 8:00	11.1
5/6/2010 9:00	7.5
5/6/2010 10:00	7.0
5/6/2010 11:00	6.7
5/6/2010 12:00	7.9
5/6/2010 13:00	6.8
5/6/2010 14:00	7.1
5/6/2010 15:00	6.7
5/6/2010 16:00	5.9

**Hourly NOx Emissions During Tuning**

**Fuel: Distillate Oil**

**Permit limit: 42.0 ppm @15% O<sub>2</sub> (3-hr block avg)**

Date / Time	NOx Conc. (ppm @15% O <sub>2</sub> )
5/7/2010 9:00	21.3
5/7/2010 10:00	36.5
5/7/2010 11:00	35.9
5/7/2010 12:00	28.2
5/7/2010 13:00	31.7
5/7/2010 14:00	36.4
5/7/2010 15:00	39.5
5/7/2010 16:00	28.9
5/7/2010 17:00	44.6
5/7/2010 18:00	36.9
5/7/2010 19:00	39.2
5/7/2010 20:00	38.5
5/7/2010 21:00	31.9
5/7/2010 22:00	41.3
5/7/2010 23:00	38.1
5/8/2010 0:00	58.5

Date / Time	NOx Conc. (ppm @15% O <sub>2</sub> )
5/11/2010 9:00	10.3
5/11/2010 10:00	35.7
5/11/2010 11:00	18.3
5/11/2010 12:00	6.6
5/11/2010 13:00	21.1

Date / Time	NOx Conc. (ppm @15% O <sub>2</sub> )
5/12/2010 10:00	28.0
5/12/2010 11:00	31.6