

# PRELIMINARY

## Relative Accuracy Determination

Test Performed For:  
Progress Energy Florida  
Intercession City  
P11  
RATA and Compliance  
Date:2/17/09

Test Performed By:  
C.E.M. Solutions, Inc.  
1183 E. Overdrive Circle  
Hernando, FL 34442  
Ph: 352-489-4337

Run Number	Date of Run	Start Time	Stop Time	Unit Load MW	NO <sub>x</sub> RM lbs/mmBtu	CEM lbs/mmBtu	Difference Like lbs/mmBtu
Run 1	17-Feb	8:51:00	9:12:00	161	0.152	0.152	0.000
Run 2	17-Feb	9:29:00	9:50:00	162	0.160	0.160	0.000
Run 3	17-Feb	10:06:00	10:27:00	161	0.155	0.160	-0.005
Run 4	17-Feb	10:44:00	11:05:00	161	0.158	0.159	-0.001
Run 5	17-Feb	11:21:00	11:42:00	159	0.157	0.157	0.000
Run 6	17-Feb	11:58:00	12:19:00	159	0.156	0.157	-0.001
Run 7	17-Feb	12:34:00	12:55:00	158	0.157	0.157	0.000

Average: 160 0.156 0.157 -0.001 lbs/mmBtu

**Bias Test (pass/fail): Passed**  
**Bias Adjustment Factor: 1.000**  
**Method of RA Determination: Part 75, Standard Emitter**

Standard Deviation: 0.0018  
Confidence Coefficient: 0.0017  
T-Factor: 2.447  
Number of runs Reported: 7

Note:  
All ppm values are corrected to lbs/mmBtu NO<sub>x</sub>  
using RM CO<sub>2</sub> and CEM CO<sub>2</sub> as diluents

**Relative Accuracy: 1.719**  
Maximum RA 10.00  
**RA Status Passed**