b. *Natural Gas.*

(1) Natural gas is authorized to be fired during low-load operation, startup, shutdown, flame stabilization, and during the start of an additional solid fuel mill on an already operating unit.

(2) Natural gas is authorized to be fired in combination with coal during normal operation as a supplemental fuel.

*{Permitting note: During normal operation the SCR controls will be in use.}*

[Rule 62-210.200(PTE), F.A.C.; Permit No. 0570039-053-AC; and Application]

5. Restricted Operation: The hours of operation are not limited (8760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

## TESTING REQUIREMENTS

6. Volatile Organic Compounds (VOC) Initial Testing: Emissions of VOC shall be tested on the first available steam generating unit (Units 1 – 4) when firing coal during normal operation prior to the conversion to natural gas igniters and once again on the same steam generating unit after the conversion is complete when co-firing coal and natural gas. The test data shall be used to provide reasonable assurance that the VOC emission factors used in the application for the combustion of natural gas was a good representation in determining future potential VOC emissions and to ensure PSD is not triggered.
[Rules 62-4.070(3), F.A.C.]

*{Permitting note: If the tests show that VOC emissions factor is higher on Units 1 – 4, a construction permit will be submitted prior to exceeding the PSD threshold for VOC to revise the allowable annual heat input rates to escape PSD.}*

7. Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

8. Test Methods: Required tests shall be performed in accordance with the following reference methods.

| Method | Description of Method and Comments |
|---|---|
| 1-4 | Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content |
| 18, 25A | Method for Determining Gaseous Organic Concentrations (Flame Ionization) |

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

## RECORDS AND REPORTS

9. Operational Records: To demonstrate compliance with the operational restrictions in Specific Condition 3.b., the permittee shall establish and maintain the following records when natural gas is being fired in steam generator Units 1 - 4:

a. Record daily the natural gas heat input rate when each unit is co-firing coal and natural gas during normal operation;

b. Record daily the natural gas heat input rate when each unit is firing natural gas during low-load operation;

c. Record daily the natural gas heating value, which shall be obtained from the natural gas transmission company and kept on file and made available to the Department upon request;

d. Within 30 calendar days following each month, calculate each units natural gas heat input rate when co-firing coal and natural gas for the month and total for the calendar year; and