Florida Department of Environmental Protection

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Ryan E. Matthews
Interim Secretary

PERMITTEE

Symrise, Inc.
601 Crestwood Street
Jacksonville, Florida 32208

Authorized Representative:

Mr. Richard Hastings, Plant Manager

Air Permit No. 0310039-027-AC
Expiration Date: March 6, 2019

Symrise, Inc.

Minor Air Construction Permit
99.0 MMBtu/hr natural gas fired boiler

PROJECT

This is the final air construction permit which authorizes the installation of a 99.0 MMBtu/hr natural gas fired boiler to serve as backup to the Boiler No. 1 (EU 032) when it is not operational during planned semi-annual maintenance outages or its unexpected shutdown. The proposed work will be conducted at Symrise, Inc., which is categorized under Standard Industrial Classification No. 2689 – Industrial Organic Chemicals, Not Elsewhere Classified. The facility is located in Duval County at 601 Crestwood Street in Jacksonville, Florida 32208. The UTM coordinates are Zone 17, 435.6 kilometers (km) East, and 3360.75 km North.

This final permit is organized by the following sections: (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, 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.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Julie R. Hudson
Environmental Manager
Permitting Program

CERTIFICATE OF SERVICE
The undersigned duly designated deputy clerk hereby certifies that this permit and all copies were sent on the filing date below to the following listed persons:

Richard Hastings, Plant Manager, Symrise, Inc.: Richard.hastings@symrise.com)
Brian Zielinski, Environmental Manager, Symrise, Inc. (brian.zielinski@symrise.com)
Brad James, P.E., Trinity Consultants (bjames@trinityconsultants.com)

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

March 6, 2017

Clerk **Date**

FACILITY DESCRIPTION

Symrise, Inc. operates a facility located in Duval County, Florida. This facility processes Crude Sulfate Turpentine, some gum turpentine, and other chemicals to produce synthetic flavor and fragrance chemicals and also chemical intermediates. Three (3) steam-generating boilers are currently on site, which are identified as Boiler Nos. 1, 6, and 7. Boiler No. 1 has a maximum heat input of 99 MMBtu per hour and produces steam for process distillation columns and process reactors at the facility. Boiler Nos. 6 and 7 (maximum heat input rates of 117 and 49 MMBtu per hour, respectively), were back-up boilers to be operated during transition periods, maintenance, or catastrophic failure of Boiler No. 1. Boiler Nos. 6 and 7 are no longer operational at the facility. The No. 1 Boiler is authorized to fire natural gas, process derived fuel (PDF) also formerly known as Glidfuel, or No. 2 fuel oil. Vapors from the vapor collection system (including the crude sulfate turpentine (CST) T-1 lights stream from Column 6) may also be incinerated in the No. 1 Boiler.

The existing facility consists of the following emissions units.

Facility ID No. 0310039

ID No.	Emission Unit Description
Regulated Emissions Units	
006	Boiler No. 6
011	Boiler No. 7
032	Boiler No. 1 fired by NG, ULSD No. 2 Fuel Oil, and Process Derived Fuel; or any combination of these fuels
034	Emergency Engines
Unregulated Emissions Units and Activities (as stated in the Title V Operation Permit)	
---	Fugitive Emissions from leaks – piping, flanges (valves, pumps and other equipment components), shaft seals (pumps and agitators), product sampling, loading and unloading. Fugitive Emissions from the wastewater treatment system – collection and treatment prior to POTW discharge Storage tanks formerly subject to the recordkeeping requirements of 40 CFR 60 Subpart Kb

PROPOSED PROJECT

Symrise, Inc. applied for an air construction permit for the installation of a 99.0 MMBtu/hr natural gas fired boiler to serve as backup to the Boiler No. 1 (EU 032). The boiler will operate only when Boiler No. 1 is not operational during planned semi-annual maintenance outages or its unexpected shutdown, and will combust process vapors collected by the Vapor Collection System in addition to natural gas. Symrise, Inc. has limited the boiler's operation to no more than 180 days on an annual basis with the unit being physically removed from the facility property when not needed. The natural gas fired boiler shall have a low NO_x burner.

This project will modify the following emissions units.

Facility ID No. 0310039

ID No.	Emission Unit Description
006	Boiler No. 6
011	Boiler No. 7

This project will add the following emissions unit.

Facility ID No. 0310039	
ID No.	**Emission Unit Description**
036	99.0 MMBtu/hr natural gas fired boiler

FACILITY REGULATORY CLASSIFICATION

- The facility **is not** a major source of hazardous air pollutants (HAP).
- The facility **does not** operate units subject to the acid rain provisions of the Clean Air Act.
- The facility **is** a Title V major source of air pollution in accordance with Chapter 213, F.A.C. and Rule 2.501, JEPB.
- The facility **is** a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality and Rule 2.401, JEPB.
- The facility operates units that **are** subject to the New Source Performance Standards (NSPS) of Title 40, Part 60 of the code of Federal Regulations (40 CFR 60).
- The facility operates units that **are** subject to the National Emission Standards of Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Northeast District Office, Permitting Program, of the Florida Department of Environmental Protection (Department). The Northeast District Office's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District Office, Permitting Program. The Permitting Authority's telephone number is (904) 256-1700.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Compliance Assurance at: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. The Compliance Authority's telephone number is (904) 256-1700.

3. Appendices: The following Appendices are attached as part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); Appendix D (Common Testing Requirements); Appendix E (Local Rule Index), Appendix F (BACT Determination).

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

   [Rule 62-210.300, F.A.C., and Rule 2.301, JEPB]

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.

   [Rule 62-4.080, F.A.C. and Rule 2.1401, JEPB]

6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification.

   [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C. Rule 2.301, JEPB, and Rule 2.401, JEPB]

7. Construction and Expiration. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires.

   [Rules 62-4.070(3) & (4), 62-4.080 & 62-210.300(1), F.A.C. Rule 2.1401, JEPB, Rule 2.301, JEPB]

8. Source Obligation:

   a. Authorization to construct shall expire if construction is not commenced within 18 months after receipt of the permit, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time. This provision does not apply to the time period between construction of the approved phases of a phased construction project except that each phase must commence construction within 18 months of the commencement date established by the Department in the permit.

   b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   c. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   [Rule 62-212.400(12), F.A.C. and Rule 2.401, JEPB]

9. Application for Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority.

   [Rules 62-4.030, 62-4.050 and Chapter 62-213, F.A.C. Rule 2.1401, JEPB, and Rule 2.501, JEPB]

A. 99.0 MMBtu/hr Natural Gas Fired Boiler

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
036	**99.0 MMBtu/hr Natural Gas Fired Boiler** *Description:* This boiler is mobile boiler manufactured by Victory Energy, Model RB-796 (or equivalent). This boiler serves as backup to the Boiler No. 1 (EU 032). The boiler shall operate only during the periods of time when Boiler No. 1 is not operational during planned maintenance outages or its unexpected shutdown. The facility has provided planned semi-annual maintenance outages of Boiler No. 1 as stated in the permit specific conditions below. The boiler shall be located in the alley east of the Powerhouse Boilers Building and not relocated to different locations within the facility property. The boiler or a replacement shall not be located onsite at the facility for more than 180 consecutive days in order to meet the 40 CFR 60.41c definition of a temporary boiler. *Capacity:* The total maximum operating capacity is 99.0 MMBtu/hr based on a 24-hour average when firing only natural gas (based on 99,000 cubic feet/hr of natural gas and an average heating value of 1000 Btu/cf). The maximum steam production rate is 82,500 lb/hour based on steam conditions of 500° F at 350 psi. *Fuels:* This boiler shall be fired with Natural gas. Process vapors collected from VCS may be combusted in this boiler. *Controls:* NO_x emissions are controlled by low NO_x burners. *Stack Parameters:* At permitted capacity, the exhaust gases exit a stack that is 2.5 feet in diameter and 20 feet tall at an exit temperature of 500° F.

This emissions unit is subject to regulation under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per hour Heat Input, New and Existing Sources. A Best Available Control Technology (BACT) determination is part of the review required by this rule – BACT Determination dated March 6, 2017. The boiler is subject to the opacity standards in Rule 62-296.702, F.A.C. and Rule 2.1101, JEPB (Reasonably Available Control Technology requirements.) The emission unit is also subject to the requirements of Jacksonville Environmental Protection Board Rules 2.301 – Stationary Sources General Requirements, 2.401 – Stationary Sources Preconstruction Review, 2.1001 – Stationary Sources Emission Standards, and 1.1101 – Stationary Sources Emission Monitoring.

EQUIPMENT

A.1. Natural Gas Fired Boiler: The permittee is authorized to install a natural gas fired boiler manufactured by Victory Energy, Model RB-796 (or equivalent). The boiler shall be equipped with low NOx burners. The boiler shall be located in the alley east of the Powerhouse Boilers Building and not relocated to different locations within the facility property

[Application No. 0310039-027-AC]

A. 99.0 MMBtu/hr Natural Gas Fired Boiler

PERFORMANCE RESTRICTIONS

A.2. Permitted Capacity: The maximum heat input shall not exceed 99.0 million British thermal units/hour (MMBtu/hour). At this heat input rate, the unit will produce approximately 82,500 lb/hour of steam based on a 24-hour average.

[Rule 62-210.200(PTE), F.A.C.; Application No. 0310039-027-AC, and Rule 2.301, JEPB]

A.3. Methods of Operation – Authorized Fuels:

a. *Commissioning Period*: This boiler shall be fired with pipeline natural gas only.

b. *Non-Commissioning Period*: This boiler shall be fired with pipeline natural gas. This boiler is authorized to combust process vapors collected from the Vapor Collection System during periods when the boiler is being utilized for their destruction.

[Rule 62-210.200(PTE), F.A.C.; Application No. 0310039-027-AC, BACT Determination, and Rule 2.301, JEPB]

A.4. Restricted Operation – Commissioning Period: For the purposes of commissioning the 99.0 MMBtu/hr natural gas fired boiler, the boiler may be operated concurrently with Boiler No. 1. The operating period shall be a one-time occurrence, for a maximum period of 14 consecutive days. The boiler shall be authorized only to fire natural gas and not process vapors collected from the Vapor Collection System during this operating period.

[Rules 62-4.070(3), F.A.C., Rule 2.1401 JEPB, Application No. 0310039-027-AC]

A.5. Restricted Operation- All Operation: The operation of the 99.0 MMBtu/hr natural gas fired boiler or a replacement equivalent boiler shall be no more than: 180 days per calendar year, 180 consecutive days per calendar year, and 4,320 hours per calendar year.

The boiler shall no longer be considered a temporary boiler as stated in **Specific Condition A.9.** should the boiler be operated for more than 180 consecutive days during a calendar year. The facility shall apply for and obtain the appropriate air construction permit prior to operation of the boiler for more than 180 consecutive days during a calendar year.

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Application No. 0310039-027-AC, Rule 2.1401 JEPB, Rule 2.301, JEPB]

A.6. Restricted Operation-Scheduled Maintenance of Boiler No. 1: Operation of the 99.0 MMBtu/hr natural gas fired boiler shall be limited to the periods of time when Boiler No. 1 is not operational during planned maintenance outages. The planned maintenance outages of Boiler No. 1 are as follows:

Schedule Maintenance Period	**Maintenance Duration Period of Boiler No. 1**
March or April 2017	14-21 total estimated days for routine repair and cleaning
October 2017	14 total estimated days for routine maintenance and inspection
March 2018	14 total estimated days for routine maintenance and inspection
October 2018	14 total estimated days for routine maintenance and inspection

The Permittee shall obtain written authorization from the Permitting Authority prior to any operation of the 99.0 MMBtu/hr natural gas fired boiler other than during the No. 1 Boiler scheduled maintenance periods stated in this permit condition.

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Application No. 0310039-027-AC, Rule 2.1401 JEPB, Rule 2.301, JEPB]

A.7. Emergency Operation: In the event Boiler No. 1 experiences an unexpected shutdown (other than the scheduled maintenance outages stated in **Specific Condition A.6.**) where the boiler remains down, the facility shall request authorization from the Compliance Authority to operate the 99.0 MMBtu/hr natural gas fired boiler during the period of time Boiler No. 1 is down. The request shall include supporting justification of its operation.

[Rule 62-4.070(3), F.A.C., Rule 2.1401 JEPB]

A.8. Boiler Location: When not in operation as stated in **Specific Condition A.6.** , the 99.0 MMBtu/hr natural gas fired boiler shall be physically removed from the facility property.

[Rules 62-4.070(3), F.A.C., Rule 2.1401 JEPB]

A.9. NSPS Subpart Dc Requirements: This emissions unit is only authorized for operation as a temporary boiler as defined in 40 CFR 60.41c., not subjecting the boiler to the applicable requirements of 40 CFR 60, Subpart Dc.

Temporary boiler means a steam generating unit that combusts natural gas or distillate oil with a potential SO_2 emissions rate no greater than 26 ng/J (0.060 lb/MMBtu), and the unit is designed to, and is capable of, being carried or moved from one location to another by means of, for example, wheels, skids, carrying handles, dollies, trailers, or platforms. A steam generating unit is not a temporary boiler if any one of the following conditions exists:

(1) The equipment is attached to a foundation.

(2) The steam generating unit or a replacement remains at a location for more than 180 consecutive days. Any temporary boiler that replaces a temporary boiler at a location and performs the same or similar function will be included in calculating the consecutive time period.

(3) The equipment is located at a seasonal facility and operates during the full annual operating period of the seasonal facility, remains at the facility for at least 2 years, and operates at that facility for at least 3 months each year.

(4) The equipment is moved from one location to another in an attempt to circumvent the residence time requirements of this definition.

[Rule 62-204.800(8)(b)4., F.A.C., 40 CFR 60.41c, and Rule 2.201, JEPB, Application No. 0310039-027-AC]

EMISSIONS STANDARDS

A.10. Particulate Matter Emissions: The boiler shall be subject to a Best Available Control Technology Determination for particulate matter emissions. Particulate Matter emissions shall be limited by the firing of natural gas.

[Rule 62-296.702(2)(b), F.A.C., Rule 62-296.406(2), F.A.C., BACT Determination, and Rule 2.1101, JEPB; Application No. 0310039-027-AC]

A.11. Visible Emissions: Visible emissions shall not exceed 20 percent opacity.

[Rule 62-296.702(2)(b), F.A.C. and Rule 2.1101, JEPB]

TESTING REQUIREMENTS

A.12. Visible Emissions Compliance Test: The emissions unit shall be tested to demonstrate compliance with the emissions standards for Visible Emissions while the unit is combusting process vapors collected from the VCS. A test shall be conducted during year 2017. A test shall be conducted during year 2018 in the event the results of the 2017 test are 10 percent opacity or greater.

[Rules 62-4.070(3), F.A.C., Rule 2.1101, JEPB]

A.13. 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(9), F.A.C., Rule 296.702(3)(c), F.A.C., Rule 2.1201 JEPB, Rule 2.1101, JEPB]

A.14. Test Methods: Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in Appendix A-4 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.

The test shall be conducted by an observer certified in accordance with the requirements of Rule 62-297.320, F.A.C. – Standards for Persons Engaged in Visible Emissions Observations.

[Rule 62-204.800, F.A.C.; Rule 62-296.702(3)(a), F.A.C., Rule 62-297.320, F.A.C., and Appendix A-4 of 40 CFR 60, Rule 2.201, JEPB, Rule 2.1101, JEPB, Rule 2.1201 JEPB]

MONITORING REQUIREMENTS

A.15. Fuel Flow Gauges: The permittee shall monitor and record the firing rate of each fuel (natural gas and process vapors collected from the VCS) authorized for combustion in the boiler.

[Rule 62-4.070(3), F.A.C., Rule 2.1401, JEPB]

RECORDS AND REPORTS

A.16. Notifications- Schedule Maintenance: The permittee shall submit notification to the Compliance Authority at least 7 days prior to such date of the following:

a. The date the 99.0 MMBtu/hr natural gas fired boiler is brought onsite for schedule maintenance as stated in **Specific Condition A.6.**

Within 15 days after such date, the permittee shall submit notification of the following to the Compliance Authority:

b. The date the 99.0 MMBtu/hr natural gas fired boiler begins actual startup
c. The date maintenance of Boiler No. 1 is concluded.
d. The date the 99.0 MMBtu/hr natural gas fired boiler is removed from the facility.

The notifications may be in writing to the address in **Condition 2** of Section II, Administrative Requirements or sent electronically to: Christopher.Kirts@dep.state.fl.us.

[Rule 62-4.070(3), F.A.C., Rule 2.1401, JEPB]

A.17. Notifications: The permittee shall submit notification to the Compliance Authority within 15 days after such date the following:

a. The date the 99.0 MMBtu/hr natural gas fired boiler is brought onsite.
b. The date the 99.0 MMBtu/hr natural gas fired boiler begins actual startup.
c. The begin date and end dates of the commissioning period stated in **Specific Condition A.4.**
d. The date and time Boiler No. 1 is down for an unexpected outage.
e. The date unexpected outage of Boiler No. 1 is concluded.
f. The date the 99.0 MMBtu/hr natural gas fired boiler is removed from the facility.

The notification may be in writing to the address in **Condition 2** of Section II, Administrative Requirements or sent electronically to: Christopher.Kirts@dep.state.fl.us.

Prior authorization is required as stated in **Specific Condition A.6.**

[Rule 62-4.070(3), F.A.C., Rule 2.1401, JEPB]

A.18. Operational Records: The permittee shall establish and maintain the following records when operating the 99.0 MMBtu/hr natural gas fired boiler:

a. Record daily the amount of natural gas combusted during each operating day
b. Record daily the amount of process vapors combusted during each operating day.
c. Record daily the hours of operation of the boiler during each operating day.
d. Record the operating days of the boiler.

[Rule 62-4.070(3), F.A.C.; Rule 2.1401, JEPB]

A.19. Record Retention: The permittee shall maintain records of the data required by **Specific Conditions A.16., A.17., and A.18.** for a period of five years following the date of such record.

[Rule 62-4.070(3), F.A.C.; Rule 2.1401, JEPB]

A.20. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. For each test run, the report shall also indicate the maximum heat input rate of the boiler.

[Rule 62-297.310(10), F.A.C., Rule 2.201, JEPB]

A.21. Operational Reports: The permittee submit reports of the operational records stated in **Specific Condition A.18.** within 30 days after such date. The report may be in writing to the address in **Condition 2** of Section II, Administrative Requirements or sent electronically to: Christopher.Kirts@dep.state.fl.us

[Rule 62-4.070(3), F.A.C.; Rule 2.1401, JEPB]

EXCESS EMISSIONS

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

A.22. **Excess Emissions Allowed**: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided (1) best practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C.]

A.23. **Excess Emissions Prohibited:** Excess Emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure, which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

[Rule 62-210.700(1), F.A.C.]

B. Emissions Unit 006 -Boiler No. 6

The specific conditions in this section apply to the following emissions unit.

EU No.	Brief Description
006	Boiler No. 6 fired by NG, ULSD, PDF, or any combinations of the fuels with a maximum design rate of 117.0 MMBtu per hour heat input. This boiler shares a common stack with No. 7 steam generating boiler (EU011). The stack is a traditional non-condensing stack.

This emissions unit is subject to regulation under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per hour Heat Input, New and Existing Sources. A Best Available Control Technology (BACT) determination is part of the review required by this rule – BACT Determination dated 09/26/2013. The boiler is subject to the opacity standards in Rule 62-296.702, F.A.C. and Rule 2.1101, JEPB (Reasonably Available Control Technology requirements.). The emission unit is also subject to the requirements of Jacksonville Environmental Protection Board Rules 2.301 – Stationary Sources General Requirements, 2.401 – Stationary Sources Preconstruction Review, 2.1001 – Stationary Sources Emission Standards, and 1.1101 – Stationary Sources Emission Monitoring; and notification and work practice standards in 40 CFR 63 Subpart JJJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources.

EXISTING PERMIT CONDITIONS

B.1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations.

[Rule 62-4.070, F.A.C., Rule 2.1401, JEPB]

PERFORMANCE RESTRICTIONS

B.2. Shutdown, Dismantling of Boiler: Boiler No. 6 shall not be operated as stated by this construction permit. The boiler shall be dismantled and removed from service. The permittee shall submit a Title V Revision application to surrender the operation of this emissions unit that includes the date of decommissioning and removal.

[Application 0310039-027-AC]

C. Emissions Unit 011 -Boiler No. 7

The specific conditions in this section apply to the following emissions unit.

EU No.	Brief Description
011	Boiler No. 7 fired by NG, Ultra Low Sulfur Distillate fuel oil, process derived fuel, or any combinations of the fuels with a maximum design rate of 49.0 MMBtu per hour heat input. This boiler shares a common stack with No. 6 steam generating boiler (EU006). The stack is a traditional non-condensing stack.

This emissions unit is subject to regulation under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per hour Heat Input, New and Existing Sources. A Best Available Control Technology (BACT) determination is part of the review required by this rule – BACT Determination dated 09/26/2013. The boiler is subject to the opacity standards in Rule 62-296.702, F.A.C. and Rule 2.1101, JEPB (Reasonably Available Control Technology requirements.). The emission unit is also subject to the requirements of Jacksonville Environmental Protection Board Rules 2.301 – Stationary Sources General Requirements, 2.401 – Stationary Sources Preconstruction Review, 2.1001 – Stationary Sources Emission Standards, and 1.1101 – Stationary Sources Emission Monitoring; and notification and work practice standards in 40 CFR 63 Subpart JJJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources.

EXISTING PERMIT CONDITIONS

C.1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations.

[Rule 62-4.070, F.A.C., Rule 2.1401, JEPB]

PERFORMANCE RESTRICTIONS

C.2. Shutdown, Dismantling of Boiler: Boiler No. 7 shall not be operated as stated by this construction permit. The boiler shall be dismantled and removed from service. The permittee shall submit a Title V Revision application to surrender the operation of this emissions unit that includes the date of decommissioning and removal.

[Application 0310039-027-AC]