Bartow Citrus Products, LLC

Facility ID No. 1050045
Polk County

Title V Air Operation Permit Renewal

Permit No. 1050045-012-AV
(Renewal of Title V Air Operation Permit No. 1050045-011-AV)

Permitting Authority:

State of Florida
Department of Environmental Protection
Air Resource Management, Southwest District

13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Telephone: (813) 632-7600
Fax: (813) 632-7668

Compliance Authority:

State of Florida
Department of Environmental Protection
Air Resource Management, Southwest District

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Statement of Basis

FINAL PERMIT

PERMITTEE:
Bartow Citrus Products, LLC
2020 US Hwy 17 South
Bartow, FL 33830

Permit No. 1050045-012-AV
Bartow Citrus Products, LLC
Facility ID No. 1050045
Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. The existing Bartow Citrus Products facility is located in Polk County at 2020 US Hwy 17 South, Bartow, Florida. UTM Coordinates are: Zone 17, 418.6 km East and 3083.5 km North. Latitude is: 27º 52' 25" North; and, Longitude is: 81º 49' 38" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: 05/15/2011
Renewal Application Due Date: 10/03/2015
Expiration Date: 05/15/2016

_____
Cindy Zhang-Torres, P.E.
Air Permitting Manager
Southwest District

CZT/nb

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

This facility consists of two citrus peel dryers connected to one waste heat evaporator, one citrus peel pellet cooler, one emergency stationary diesel engine, and process equipment (which includes fruit washers, oil and juice extraction equipment, cooling towers, fruit and peel conveyance equipment, lime storage silo, and peel storage). Steam for the process is provided by the adjacent Orange Cogeneration facility (ID No. 1050231).

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
006	Two Citrus Peel Dryers Vented to One Waste Heat Evaporator
007	Citrus Peel Pellet Cooler
013	Existing Emergency Stationary CI RICE Diesel Engine ≤ 500 HP

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received October 14, 2010, this facility is not a major source of hazardous air pollutants (HAP). Because this facility operates a stationary reciprocating internal combustion engine, it is subject to regulation under 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The existing facility is a PSD major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
40 CFR 63, Subpart A, NESHAP General Provisions	013
40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines	013
Chapters 62-4, 62-210, 62-213, 62-296, 62-297, F.A.C.	006, 007, and 013

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Not federally Enforceable. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
[Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department.
[Rule 62-296.320(1), F.A.C.]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4)(b)1, F.A.C.]

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
[Rule 62-296.320(4)(c), F.A.C.]

FW6. Fruit Throughput Limit. The owner or operator shall not process more than 10.0 million boxes of citrus fruit in any consecutive 12 month period. For purposes of this permit, a box of citrus fruit shall be defined to contain 90 pounds of oranges or 85 pounds of grapefruit. The owner or operator shall make and maintain monthly and rolling 12 month records of fruit processing rates to demonstrate compliance with this limitation. Such records shall be made from daily processing records and shall be completed no later than the 10th day of each following month.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1050045-010-AC]

FW7. VOC Emission Limits and Oil Recovery. VOC emissions will be limited by achieving by a 65 percent recovery of oil from citrus fruits processed each calendar year. Compliance with the emission limit for VOC shall be demonstrated by calculating the compliance indicator, as follows. All measured quantities of oil used in Equations 1 and 2 shall be in units of tons and the total results of the selected equation shall reflect the sum total for the entire calendar year.

a. The facility may use either Equation 1 or 2 to demonstrate compliance, provided that the facility has maintained the necessary records to use that equation. In the case of Equation 2, all recovered oil must be actually measured and all emitted volatilized oil must be treated as emissions and not as reductions of peel oil. If the result of selected equation is positive or zero, the facility is in compliance with the VOC emission limit. If the result of the selected equation is negative, the facility is in violation of the VOC emission limit. The facility may use either equation to demonstrate compliance, even if the other equation results in a negative compliance indicator.

b. Facilities may accept wet peel from, or send wet peel to another facility for further processing and drying, provided that each facility involved receives or provides, respectively, sufficient recorded information to account for the recovery of oil from such peel, including oil in products and by-products at the receiving facility. A facility that sends wet peel offsite for any purpose shall not include the related oil in products and by-products in its oil recovery calculations. Such oil shall be included in the oil recovery calculations of the receiving facility. In any case, oil in products and by-products related to peel that is not processed through a peel dryer shall be excluded from all oil recovery calculations.

Equation 1:
Compliance Indicator = OIF(I – K1) - OPP + ODP

Equation 2:
Compliance Indicator = OJ + CPO + EO + DL + ODP – K1(OIF)

Where:
K1 = 0.65.

And the following are all in units of tons:
OIF = Oil in Incoming Fruit
ODP = Oil in Dried Pellets
OPP =Oil in Pressed Peel
OJ = Oil in Juice
CPO = Cold Press Oil
EO = Essence Oil
DL = d-limonene

Fruit and byproduct oil quantities, required for equations 1 and 2, as applicable, shall be measured daily. All peel oil recovery at a facility shall be determined using the same methodology at all times during each processing year. The following sampling and analytical methods shall be used for determining oil contents of fruit, pressed peel, dried peel and pellets: The sampling and analytical method for determining oil content in incoming whole fruit is the method documented in "FMC FoodTech Citrus Systems Division, Procedures for Analysis of Citrus Products, Chapter VI, Procedure 1. Whole Fruit Available Oil, FMC Technologies Inc., Lakeland, FL, pp. 119 to 123, (effective August 16, 2002)" hereby adopted by reference; the analytical method for determining oil content is the Scott Method (Bromate Titration Method) as documented in "FMC FoodTech Citrus Systems Division, Procedures for Analysis of Citrus Products, Chapter IV, Procedure 10. Recoverable Oil (Scott Method), FMC Technologies Inc., Lakeland, FL, pp. 40 to 44, (effective August 16, 2002)" hereby adopted by reference; the methods for sampling, sample preparation and analytical calculations for peel residue, press cake, and pellets are those documented in "Braddock, R. J. (1999), Handbook of Citrus By-Products and Processing Technology, Section 12.3.1.2 Analysis, John Wiley & Sons, NY, pp. 180 to 181," hereby adopted by reference. Copies of these documents may be obtained by contacting the Division of Air Resource Management at 2600 Blair Stone Road, Mail Station 5500, Tallahassee, FL 32399-2400.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1050045-010-AC]

FW8. Records Retention. All recorded data shall be maintained at the facility by the permittee for a period of five years made available to the Department upon request.
[Rule 62-213.440, F.A.C.]

FW9. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C.]

Annual Reports and Fees
See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW10. Annual Operating Report. The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year.
[Rule 62-210.370(3), F.A.C.]

FW11. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm.
[Rule 62-213.205, F.A.C.]

FW12. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective.
[Rules 62-213.440(3)(a)2. & 3. and (3)(b), F.A.C.]

FW13. Prevention of Accidental Releases (Section 112(r) of CAA).

a. As required by Section 112(r)(7)(B)(iii) of the CAA and 40 CFR 68, the owner or operator shall submit an updated Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center.

b. As required under Section 252.941(1)(c), F.S., the owner or operator shall report to the appropriate representative of the Department of Community Affairs (DCA), as established by department rule, within one working day of discovery of an accidental release of a regulated substance from the stationary source, if the owner or operator is required to report the release to the United States Environmental Protection Agency under Section 112(r)(6) of the CAA.

c. The owner or operator shall submit the required annual registration fee to the DCA on or before April 1, in accordance with Part IV, Chapter 252, F.S., and Rule 9G-21, F.A.C.

d. Any required written reports, notifications, certifications, and data required to be sent to the DCA, should be sent to: Department of Community Affairs, Division of Emergency Management, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2100, Telephone: (850) 413-9921, Fax: (850) 488-1739.

e. Any Risk Management Plans, original submittals, revisions, or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

f. Any required reports to be sent to the National Response Center, should be sent to: National Response Center, EPA Office of Solid Waste and Emergency Response, USEPA (5305 W), 401 M Street SW, Washington, D.C. 20460, Telephone: (800) 424-8802.

g. Send the required annual registration fee using approved forms made payable to: Cashier, Department of Community Affairs, State Emergency Response Commission, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2149.

[Part IV, Chapter 252, F.S.; and, Rule 9G-21, F.A.C.]

Subsection A. Emissions Unit 006 – Two Citrus Peel Dryers Vented to One Waste Heat Evaporator

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

EU No.	Brief Description
-006	Two citrus dryers exhaust through one waste heat evaporator (WHE). Waste citrus peel and pulp ("wet peel") are pressed to remove oils and some water. This press liquor is concentrated (termed "citrus molasses") using waste heat from the dryer(s), and is added to the dried peel as a binder for pelletizing. The peel discharged from the press ("pressed peel") is then fed to the dryer(s) for removal of remaining water. Only one dryer can operate at a time. The primary dryer is designed to evaporate a maximum of 60,000 pounds per hour of water. The secondary dryer is designed to evaporate a maximum of 30,000 pounds per hour of water. Maximum heat input for both dryers is 100 million Btu per hour. The primary dryer processes a total maximum of 90,000 pounds per hour of pressed peel (including water). The secondary dryer processes a total design maximum of 45,000 pounds per hour of pressed peel (including water). The evaporator processes a maximum of approximately 100,000 pounds per hour of liquid waste and converts it to approximately 29,630 pounds per hour of citrus molasses. Approximately 26,620 pounds per hour of dry feed containing approximately 10 percent moisture is produced. Particulate matter emissions are reduced in the waste heat evaporator during the continuous washing of the waste heat evaporator's tubes. Primary removal of particulate matter is accomplished by use of a cyclone common to both dryers. Particulate matter emissions are vented to the atmosphere through the evaporator stack. In the event of an emergency, emissions are vented to a relief stack.

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum total heat input rate shall not exceed 100.0 million Btu per hour, for both citrus peel dryers.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction Permit 1050045-010-AC]

A.2. Methods of Operation. Only natural gas shall be fired in this emissions unit.
[Rule 62-213.410, F.A.C.; Construction Permit 1050045-010-AC]

A.3. Hours of Operation. This emissions unit is allowed to operate, as necessary, to process 10.0 million boxes of citrus fruit in any consecutive 12 month period.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction Permit 1050045-010-AC]

{Permitting Note: For emission calculations, the hours of operation are estimated not to exceed a total of 4,500 hours per year.}

A.4. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.
[Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for Specific Conditions A.5. and A.6. are based on the specified averaging time of the applicable test method.

A.5. Visible Emissions. Visible emissions shall not exceed 20% opacity.
[Rule 62-296.320(4)(b)1., F.A.C.; Construction Permit 1050045-010-AC]

A.6. Particulate Matter Emissions. PM/PM_{10} emissions shall not exceed 15.0 pounds per hour.
[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1050045-010-AC]

Excess Emissions

A.7. Excess Emissions Allowed. Excess emissions resulting from startup, shutdown, or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and 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.8. Excess Emissions Prohibited. Excess emissions which are 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(4), F.A.C.]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.9. 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
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and 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 62-213.440 and 62-297.401, F.A.C.]

A.10. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.
[Rule 62-297.310, F.A.C.]

A.11. Annual Compliance Tests Required. During each federal fiscal year (October 1st to September 30th), this emissions unit shall be tested to demonstrate compliance with the emissions standards for visible emissions.
[Rule 62-297.310(7), F.A.C.]

A.12. Compliance Tests Prior To Renewal. Compliance test shall be performed for PM/PM_{10} emissions between January 1, 2015 and April 30, 2015. The test shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emission limit in Specific Condition A.6.
[Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.; Construction Permit 1050045-010-AC]

Recordkeeping and Reporting Requirements

A.13. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

A.14. Excess Emissions Reporting. In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.
[Rule 62-210.700(6), F.A.C.]

A.15. Heat Input Rate. In order to provide information to document compliance with the fuel heat input rate limitation of Specific Condition A.1., the permittee shall monitor and maintain daily record logs of the amount of fuel used and the hours of operation. The logs shall be maintained on file and shall be made available to the Department upon request.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1050045-010-AC]

Other Requirements

A.16. Best Management Practices for Carbon Monoxide. Each facility shall operate its citrus peel dryers in accordance with the manufacturer's operating manual, or recommended operating practices provided by the manufacturer, equipment vendor, or a professional engineer registered in Florida, as well as with the practices described in this paragraph. Each facility shall report to the Department any failure to follow these practices, and shall make such report in writing within 7 days from discovery of such failure. Records and copies of reports shall be maintained on site for a period of five years and shall be made available to the Department upon request. Each facility shall:

a. Train dryer operators to perform the operating practices of this paragraph using the manuals and plans described, and allow only trained employees to operate dryers;

b. Maintain a written plan with operating procedures for startup, shutdown and malfunction of the equipment, and follow that plan during these events;

c. Operate and maintain the burner and burner controls to maintain a proper air to fuel ratio;

d. Visually check the flame characteristics once per operating shift;

e. Monitor the moisture content of the dried peel exiting the dryer on a daily basis, and maintain that moisture content greater than six percent by weight at all times during operation;

f. Make burner and burner control adjustments on an annual basis, or more frequently as required by visual checks;

g. Perform an inspection of combustion equipment as prescribed by the equipment manufacturer or registered professional engineer, but no less often than annually, and replace parts that are worn or improperly operating;

h. Keep records of combustion operations that document the operating practices described in this paragraph, such documentation shall include a manual, which can be the manufacturer's operation manual, and daily logs; and

i. Document maintenance performed on equipment, and all normal processing equipment and operating practices changes.

[Rule 62-4.070(3), F.A.C.; Construction Permit 1050045-010-AC]

Subsection B. Emissions Unit 007 – Citrus Peel Pellet Cooler

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

EU No.	Brief Description
-007	The pellet mill cooler has a maximum rated capacity of 20.0 tons per hour. Dried citrus peel from peel dryers is sent to the pelletizer where molasses is added and then to the pellet cooler where pellets are formed for use as an animal feed supplement. Particulate emissions from the cooler are controlled by one small cyclone and one large cyclone. Each cyclone has its own emission stack.

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The capacity of the pellet cooler is determined by the capacity of the operating citrus peel dryers.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction Permit 1050045-010-AC]

{Permitting Note: The pellet cooler input is equal to the output of dried peel from the peel dryers.}

B.2. Hours of Operation. This emissions unit is allowed to operate, as necessary, to process 10.0 million boxes of citrus fruit in any consecutive 12 month period.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction Permit 1050045-010-AC]

{Permitting Note: For emission calculations, the hours of operation for this emissions unit are estimated not to exceed a total of 4,500 hours per year.}

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for Specific Conditions B.3. and B.4. are based on the specified averaging time of the applicable test method.

B.3. Visible Emissions. Visible emissions shall not exceed 5 percent opacity.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1050045-010-AC]

B.4. Particulate Matter Emissions. PM/PM_{10} emissions shall not exceed 5.0 pounds per hour.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1050045-010-AC]

Excess Emissions

B.5. Excess Emissions Allowed. Excess emissions resulting from malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and 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.]

B.6. Excess Emissions Prohibited. Excess emissions which are 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(4), F.A.C.]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.7. 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
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and 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 62-213.440 and 62-297.401, F.A.C.]

B.8. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

B.9. Annual Compliance Tests Required. During each federal fiscal year (October 1st to September 30th), each cyclone shall be tested to demonstrate compliance with the emissions standards for visible emissions. [Rule 62-297.310(7), F.A.C. Construction Permit 1050045-010-AC]

B.10. Particulate Matter Emissions Testing. Tests for compliance with the particulate matter emission limit for the pellet cooler or cooling reel are waived as long as the facility complies with the visible emissions limitation. If any visible emissions test for the pellet cooler or cooling reel does not demonstrate compliance with the visible emissions limitation, the emissions unit shall be tested for compliance with the particulate matter emission limit within 30 days after the visible emissions test.
[Construction Permit 1050045-010-AC]

Recordkeeping and Reporting Requirements

B.11. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection C. Emissions Unit 013 – Existing Emergency Stationary CI RICE Diesel Engine ≤ 500 HP

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

EU No.	Brief Description
-013	One existing emergency stationary compression ignition (CI) reciprocating internal combustion engine (RICE) for the fire pump. It was manufactured in 1976 by Detroit Diesel; Model 671. The engine is rated at 238 HP.

{Permitting Note: The engine is exempt from the construction permit requirements of Rule 62-210.300(1), F.A.C., in accordance with the provisions of Rule 62-210.300(3)(b)1., F.A.C. (Generic Emissions Unit or Activity Exemption).}

{Stationary CI RICE Engine Listing Note: The information on the engine was received on 12/20/10 from G2 Services Ltd., in response to a Department request for additional information.}

IMPORTANT REGULATORY CLASSIFICATIONS – This engine is regulated under NESHAP 40 CFR 63 Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines), as amended in the 08/20/10 Federal Register, as existing stationary Reciprocating Internal Combustion Engines (RICE) at an area source of hazardous air pollutants (HAPs).

Operation Requirements

C.1. Operating Hours - There are no specific limitations on operating hours for this existing stationary engine.

{Permitting Note: See also the previous Permitting Note below the description of the emissions unit. The maximum actual operating hours of this engine are inherently restricted by the limited purpose for which it is used.}

Applicable Federal Requirements

C.2. Federal 40 CFR 63 NESHAP Subpart ZZZZ Requirements. This existing stationary engine is subject to the applicable requirements of NESHAP 40 CFR 63 Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)), which is attached to this permit as Appendix NESHAP 40 CFR 63 Subpart ZZZZ, as it applies to existing RICE at area sources of hazardous air pollutants (HAP). The applicable requirements are shown in the Summary of NESHAP 40 CFR 63 Subpart ZZZZ Applicable Requirements for Existing CI RICE at Area Sources of HAP, attached to this permit, under the category Emergency CI ≤ 500 HP.
[Rule 62-4.070(3), F.A.C.; NESHAP 40 CFR 63 Subpart ZZZZ]

{Compliance Note: The final compliance date for the applicable Subpart ZZZZ requirements for the existing compression ignition (CI) RICE engine at this area source of HAP is 05/03/2013. (40 CFR 63.6595(a)(1).}

C.3. Federal NESHAP 40 CFR 63 Subpart A General Provisions Requirements. This existing stationary engine is subject to the applicable requirements of NESHAP 40 CFR 63 Subpart A (General Provisions for 40 CFR 63), as adopted and incorporated by reference in Rule 62-204.800(11)(d), F.A.C., which is attached to this permit as Appendix NESHAP 40 CFR 63 Subpart A. The applicable requirements of Subpart A are shown in Table 8 to 40 CFR 63 Subpart ZZZZ.
[Rule 62-208.800(11)(d), F.A.C.; NESHAP 40 CFR 63 Subpart ZZZZ]

SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary.

Appendix I, List of Insignificant Emissions Units and/or Activities.

Appendix NESHAP, 40 CFR 63, Subpart A – General Provisions.

Appendix NESHAP, 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Appendix RR, Facility-wide Reporting Requirements.

Appendix TR, Facility-wide Testing Requirements.

Appendix TV, Title V General Conditions.

Summary of NESHAP 40 CFR Part 63 Subpart ZZZZ Applicable Requirements for Existing Stationary Reciprocating Internal Combustion Engines (RICE) at Area Sources of HAP