

**Mission:**

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



**Rick Scott**  
Governor

**Celeste Philip, MD, MPH**  
State Surgeon General & Secretary

**Vision:** To be the Healthiest State in the Nation

**MAY 17, 2017**

**PERMITTEE**

Rexall Sundown (NBTY)  
901 Broken Sound Pkwy NW  
Boca Raton, Florida 33487

Air Permit No. 0990705-007-AC  
Permit Issuance Date: 05/17/2017  
Permit Expiration Date: 05/16/2018

Authorized Representative:  
Adelino Rivera, Site Director

Rexall Sundown (NBTY)  
Air Construction permit to add  
additional Tablet Compression  
Machine to Emissions Unit (EU003)

**PROJECT**

This is the FINAL air construction permit, which authorizes addition of Tablet Compression Machine to Emissions Unit EU003 for Rexall Sundown (NBTY) which produces vitamins and supplements and is categorized under Standard Industrial Classification No. 2833. The existing facility is located in Palm Beach County at 901 Broken Sound Pkwy NW in Boca Raton, Florida. The UTM Coordinates of the existing facility are Zone 17; 589.26 km East and 2920.43 km North, Latitude: 26° 24' 4.63" North and Longitude: 80° 6' 18.1872" West.

This FINAL air construction permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and 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.

**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, 62-296 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 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 Health Department's Legal Office is located at 800 Clematis Street in West Palm Beach, Florida and the phone number is (561) 837-5900 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 West Palm Beach, Florida

Laxmana Tallam, P.E., Environmental Administrator  
Air and Waste Section  
Division of Environmental Public Health

**FINAL AIR CONSTRUCTION PERMIT**

---

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package was sent by electronic mail, with received receipt requested before the close of business on the date indicated below to the following persons.

Adelino Rivera, Site Director Rexall Sundown (NBTY)	Email	<a href="mailto:arivera@nbty.com">arivera@nbty.com</a>
Geysa Gonzalez, Env. Health and Safety Manager Rexall Sundown (NBTY)	Email	<a href="mailto:ggonzalez1@nbty.com">ggonzalez1@nbty.com</a>
Ron Rosner, PE, Senior Manager Ramboll Environ US Corporation	Email	<a href="mailto:RRosner@ramboll.com">RRosner@ramboll.com</a>
Russell Kemp, PE, Principal Engineer Ramboll Environ US Corporation	Email	<a href="mailto:rkemp@ramboll.com">rkemp@ramboll.com</a>
Diane Pupa, FDEP, SED Southeast District Office – DEP	Email	<a href="mailto:Diane.pupa@dep.state.fl.us">Diane.pupa@dep.state.fl.us</a>
Jorge Patino, PE, Supervisor Air & Waste Section, FDOH-PBC	Email	<a href="mailto:Jorge.patino@flhealth.gov">Jorge.patino@flhealth.gov</a>
Kajal Bhavsar, Engineering Specialist III Permit Application Reviewer Air & Waste Section, FDOH-PBC	Email	<a href="mailto:Kajal.bhavsar@flhealth.gov">Kajal.bhavsar@flhealth.gov</a>

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, 5/17/17, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

  
\_\_\_\_\_  
(Signature)

**(FINAL)**

**SECTION 1. GENERAL INFORMATION (FINAL)**

**FACILITY DESCRIPTION**

Rexall Sundown (NBTY) produces vitamins and supplements by blending various raw material powder ingredients. The facility operates the following five emissions units, Blending Operations (EU001), Central Vacuums (EU002), Compression (EU003), Encapsulation (EU004) and Tablet Coating (EU005). These emissions units are controlled by 21 dust collectors utilizing the Downflo DFT series Torit filter cartridge systems [EU001, EU003, EU004 and EU005] and Spencer Model 620B Vacuum system [EU002]. Under permit 0990705-003-AC, the facility expanded Emissions Unit 005 (Tablet Coating) by adding three new coating areas, each controlled by a dust collector that vent outside (dust collectors DC-21, DC-22 and DC-23).

There are two natural-gas fired boilers [EU006 & EU007], 3.35 mmbtu/hr and 6.0 mmbtu/hr which were categorically exempt under 62-210.300(3)(a)33.b. The facility also has one 3,000 gallon diesel fuel tank, and 2 wet cooling towers that are exempt under 62-210.300(3)(b). The facility is a Non-Title V source. The actual emissions are significantly lower than the allowable emission due to the operation of the dust collectors.

**Permit Content**

- Section 1: Summary Information
- Section 2: Facility-Wide Specific Conditions
- Section 3: Emissions Unit Specific Conditions
- Section 4: Appendices

<b>Appendix A:</b>	Citation Formats and Glossary of Common Terms
<b>Appendix B:</b>	General Conditions
<b>Appendix C:</b>	Common Conditions
<b>Appendix D:</b>	Common Testing Requirements
<b>Appendix E:</b>	Attachments

The existing facility consists of the following emissions units.

EU ID NO.	STATUS	BRIEF DESCRIPTION
EU001	Regulated	<b><u>Blending and Common Areas</u></b> PM emissions controlled by DC-05 and DC-07 (Model Torit DFT2-36), <b>DC-F-16</b> (Torit SDF-4), DC-20 (Torit DFT2-8). <u>Stack Parameters for DC-20:</u> Height Exhaust is 24 feet, Exit Diameter is 1.5 feet, <b>[Emission Points DC-05, DC-09 and DC-07 all vent inside the facility, while DC-20 vents to the roof.]</b>
EU002	Regulated	<b><u>Central Vacuums</u></b> PM emissions controlled by Spencer Model SB-620B for CV1 and CV2. Stack Height Exhaust is 24 feet; Diameter is 1 foot. <b>[Emission Point CV-1 and CV-2 vent on the roof of the building].</b>
EU003	Regulated	<b><u>Compression</u></b> PM emission controlled by DC-11 (Torit DFT3-6) for Room 13-17, DC-06 (Torit DFT2-16) for Room 18-26 and DC-12 (Torit DF2-8) for Room 8-12. <b>[Emission Points DC-11, DC-06 and DC-12 vent inside the facility].</b>
EU004	Regulated	<b><u>Encapsulation</u></b> PM emissions controlled by Fabric filter DC-08 (Torit DFT3-6) for Room 1-3, DC-09 (Torit DFT2-4) for Room 4-5 and DC-10 (Torit DFT2-4) for Room 6-7. <b>[All encapsulation dust collectors vent inside the facility].</b>
EU005	Regulated	<b><u>Tablet Coating</u></b> PM emissions controlled by DC-01, DC-02, DC-03, DC-17, DC-18, DC-21, DC-22 and DC-23 (Torit DFT2-8) as well as DC-19 (Torit DFT3-12). <b>[The dust collectors for DC-01, DC-02, DC-03, DC-17, DC-18 and DC-19 vent to the roof with Stack Height Exhaust is 26 feet. Exit Diameter is 1.5 feet. DC-21, DC-22 and DC-23 vent outside of building with Stack Height Exhaust is 10 feet].</b>

**SECTION 1. GENERAL INFORMATION (FINAL)**

**THE FOLLOWING EMISSION UNITS ARE EXEMPT FROM THE PERMITTING REQUIREMENTS:**

EU ID No.	Brief Description	FDEP Rule Applicability, F.A.C.
Exempt	Natural-Gas fired Boiler maximum heat input capacity at 3.35 mmbtu/hr	62-210.300(3)(a)33.b.
Exempt	Natural-Gas fired Boiler maximum heat input capacity at 6.0 mmbtu/hr	62-210.300(3)(a)33.b.
Exempt	3000 Gallon Diesel Oil Storage Tank	62-210.300(3)(b).
Exempt	Two Wet Cooling Towers	62-210.300(3)(b).

**PROPOSED PROJECT**

The Rexall Sundown (NBTY) proposes to increase the capacity of EU003 by adding an additional tablet compression machine (Fette/ 3200i). This proposed change will not change the dust collectors at EU003 or other emissions units. The additional equipment will increase the allowable capacity for Compression Emissions Unit EU003 from 10,463 tons per year to 13,290 tons per year (TPY). Due to this modification, the uncontrolled Particulate matter (PM) potential emissions of the facility will be 91.3 TPY, which represents an increase of 2.9 TPY. Particulate matter emissions are controlled using dust collectors. The controlled PM potential emissions would be 19.9 TPY.

In addition to this proposed change at EU003, the facility requests one correction at EU001. A small portable dust collector (Torit SDF-4) should be shown as DC-09. To avoid confusion with DC-09 in EU004, the facility has renamed the DC-09 in EU 001 to `DC-F-16` (Table 3 of application).

This project will modify the emissions unit 003 as follows:

Facility ID No. 0990705		
EU ID No.	Emission Unit Description	Status
EU003	<p><b><u>Compression:</u></b>                      Unit consisting of the following Manufacturer/model equipment:</p> <ul style="list-style-type: none"> <li>• Manesty / Rotapress 5 (2 machines)</li> <li>• Manesty / Rotapress MK IV Killian / RX (2 machines)</li> <li>• DT Industries / Stokes 328 (3 machines)</li> <li>• Fette / 3200i</li> <li>• Kikusui / Libra</li> <li>• Kikusui / Libra 2 (5 machines)</li> <li>• Kikusui / Hercules (2 machines)</li> <li>• Kikusui / Gemini</li> </ul> <p>PM emission controlled by DC-11 (Torit DFT3-6) for Room 13-17, DC-06 (Torit DFT2-16) for Room 18-26 and DC-12 (Torit DF2-8) for Room 8-12. <b>[Emission Points DC-11, DC-06 and DC-12 vent inside the facility].</b></p>	All Existing Equipment
	Fette / 3200i	

The existing equipment maximum capacity is 10,463 ton/year and proposed additional equipment capacity is 2,827 ton/year so total capacity will be increased to 13,290 ton/year. There will not be any changes to the facility upstream (Blending) capacity and downstream (Coating) capacity.

**FACILITY REGULATORY CLASSIFICATION**

- This facility is a natural minor source of PM (Potential emissions > 10 tons per year -- permit exemption threshold)
- 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 (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

---

1. Permitting Authority: The permitting authority for this project is the Florida Department of Health Palm Beach County (Health Department). The mailing address is Division of Environmental Health, 800 Clematis Street, 4<sup>th</sup> Floor, P.O. Box 29, West Palm Beach, FL 33402-0029, and telephone number (561) 837-5900. **[Specific Operating Agreement - SOA]**
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the to the Air & Waste Section of the Department of Health Palm Beach County (Health Department) at P.O. Box 29 (800 Clematis Street), 4<sup>th</sup> Floor, West Palm Beach, Florida 33401.
3. Appendices: The following Appendices are attached as a 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 (Attachments)
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 the SOA]**
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.]
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.]
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(4), 62-4.080 & 62-210.300(1), F.A.C.]
8. Operation Permit Required: This permit authorizes construction and/or installation of the permitted emissions units and initial operation to determine compliance with Department rules. **An operation permit is required for regular operation of the permitted emissions units.** The owner or operator shall **apply for and receive** an operation permit prior to expiration of this permit. An application for an operation permit shall be submitted to the Health Department, Air & Waste Section. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in quadruplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions in the construction permit, compliance test results, and such additional information as the Department may by law require. **[Rules 62-4.090, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]**
9. Extension of This Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the Health Department, Air and Waste Section **at least 60 days prior** to the expiration date of this permit. **[Rules 62-4.050, 62-4.080, and 62-4.220, F.A.C.]**

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

This section of the permit addresses the following group of emissions units.

EU ID NO.	STATUS	BRIEF DESCRIPTION
EU001	Regulated	<b>Blending and Common Areas</b> PM emissions controlled by DC-05 and DC-07 (Model Torit DFT2-36), <b>DC-F-16</b> (Torit SDF-4), DC-20 (Torit DFT2-8). <b>Stack Parameters for DC-20:</b> Height Exhaust is 24 feet, Exit Diameter is 1.5 feet, [Emission Points <b>DC-05, DC-09 and DC-07 all vent inside the facility, while DC-20 vents to the roof.</b> ]
EU002	Regulated	<b>Central Vacuums</b> PM emissions controlled by Spencer Model SB-620B for CV1 and CV2. Stack Height Exhaust is 24 feet; Diameter is 1 foot. [Emission Point <b>CV-1 and CV-2 vent on the roof of the building.</b> ]
EU003	Regulated	<b>Compression:</b> Unit consisting of the following Manufacturer/model equipment: <ul style="list-style-type: none"> <li>• Manesty / Rotapress 5 (2 machines)</li> <li>• Manesty / Rotapress MK IV Killian / RX (2 machines)</li> <li>• DT Industries / Stokes 328 (3 machines)</li> <li>• Fette / 3200i (<b>2 machines including proposed addition</b>)</li> <li>• Kikusui / Libra</li> <li>• Kikusui / Libra 2 (5 machines)</li> <li>• Kikusui / Hercules (2 machines)</li> <li>• Kikusui / Gemini</li> </ul> PM emission controlled by DC-11 (Torit DFT3-6) for Room 13-17, DC-06 (Torit DFT2-16) for Room 18-26 and DC-12 (Torit DF2-8) for Room 8-12. [Emission Points <b>DC-11, DC-06 and DC-12 vent inside the facility.</b> ]
EU004	Regulated	<b>Encapsulation</b> PM emissions controlled by Fabric filter DC-08 (Torit DFT3-6) for Room 1-3, DC-09 (Torit DFT2-4) for Room 4-5 and DC-10 (Torit DFT2-4) for Room 6-7. [All encapsulation dust collectors vent inside the facility].
EU005	Regulated	<b>Tablet Coating</b> PM emissions controlled by Torit DFT2-8 for DC-01, DC-02, DC-03, DC-17, DC-18, DC-21, DC-22 and DC-23. Torit DFT3-12 is for DC-19 which vents to the roof. Stack Height Exhaust is 26 feet. Exit Diameter is 1.5 feet. Flow Rate for DC-19 is 9,450 cfm. [The dust collectors for <b>DC-01, DC-02, DC-03, DC-17 and DC-18 vent to the roof. DC-21, DC-22 and DC-23 vent outside of building.</b> ]

**PERFORMANCE RESTRICTIONS**

**III.A.1 Permitted Capacity:** The permittee shall not allow, cause, suffer or permit the operation of the unit in excess of the following without prior authorization from the Permitting Authority:

**(a) The Maximum raw material throughput for each emission unit shall not exceed the following limits in any consecutive 12 months period, rolling total. [Permit No. 0990705-003-AC]**

Emissions Unit	Process	Max Material Throughput Allowed (ton/year)
EU001	Blending - Total	17,703
EU002	Central Vacuums	7,066
EU003	Compression	<b>13,290</b>
EU004	Encapsulation	4,417
EU005	Tablet Coating	10,335

{Permitting Note: The throughput limitation for EU003 is changed from 10,463 to 13,290 tons/year, per this modification.}

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

- III.A.2 Control Equipment: The permittee is authorized to install the air filter type cartridge/hopper systems, Downflo Torit DFT series or equivalent. The permittee shall maintain the control equipment according to the manufacturer's specifications. **[Permit No. 0990705-003-AC]**
- III.A.3 Filter Cartridge Operation: The filter cartridges shall be operated according to the manufacturer's specification at all times. The permittee shall stop the operation of the emissions units when the filter cartridge system is out of order, or during the regular maintenance works, including the change of filters. **[Permit No. 0990705-003-AC]**
- III.A.4 Methods of Operation: The permittee shall not allow, cause, suffer or permit any change in the method(s) of operation resulting in increased short-term or long-term emissions, without prior authorization from the Permitting Authority.
- III.A.5 Restricted Operation: The hours of operation of are not limited (8760 hours per year). **[Permit No. 0990705-003-AC]**

**EMISSIONS STANDARDS**

- III.A.6 Particulate Matter (PM) allowable Emission Limits: The following allowable emission limits shall not be exceeded for each emission unit. **[Permit No. 0990705-003-AC.]**

Emission Unit	Process	Allowable PM by Process Weight Rate Rule (lb/hr)
EU001	Blending - Total	5.55
EU002	Central Vacuums	3.14
EU003	Compression	<b>4.65</b>
EU004	Encapsulation	2.35
EU005	Tablet Coating	5.14

**TESTING REQUIREMENTS**

- III.A.7 Visible Emission Standard: As an alternative to the requirement of a particulate matter compliance test, EPA Method 9 observations (visible emissions) from emissions units 001 (dust collector DC-20), 002 (dust collectors CV1 and CV2), and 005 (dust collectors DC-01, DC-02, DC-03, DC-17, DC-18, DC-19, DC-21, DC-22 and DC-23), shall not exceed 5% opacity. Emissions units 003 and 004 shall not vent outside. These emissions points are shown in **Appendix E. [Permit No. 0990705-001-AC and 62-297.620(4), F.A.C.]**
- III.A.8 Compliance Tests Prior to Renewal. The permittee shall conduct a visible emissions compliance test during the year prior to renewal of air operation permit from each emissions point, as specified in **condition III.A.7**. The test results shall demonstrate compliance with the opacity standard specified in **condition III.A.7** of this section. **[Rules 62-4.070(3), 62-297.310(7), F.A.C.]**
- III.A.9 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.]**
- III.A.10 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 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, F.A.C.; and Appendix A of 40 CFR 60]**

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

---

### MONITORING REQUIREMENTS

- III.A.11** Monthly Usage Records: The permittee shall maintain monthly raw material throughput usage records, on or before the 30<sup>th</sup> day of the following month. These records shall include, as a minimum, the monthly usage and the rolling 12-month total usage. These records shall be kept on site for a period of no less than three years and be made available to the Health Department representatives upon request.  
**[Permit No. 0990705-003-AC]**
- III.A.12** Pressure Differential Records: The permittee shall maintain the following pressure differential records:  
The permittee shall monitor and record from the Torit Checker Board the pressure differential before the start of a shift and after the end of the shift. The permittee shall maintain the records of the pressure differential readings for each shift. The record shall include, as a minimum, date and time when reading was taken, shift number (if multiple shifts of operation are conducted), differential pressure reading, name and signature of the person taking the reading.  
**[Permit No. 0990705-003-AC]**
- III.A.13** The permittee shall maintain the record of all the incidents when the pressure differential readings exceed the manufacturer's recommendation of the normal differential pressure in inches of water. The records shall contain, as a minimum, date, time and duration of the problem, identification of problem and corrective action taken.  
**[Permit No. 0990705-003-AC]**
- III.A.14** The permittee shall maintain the records of the cleaning cycle system conducted at the filter cartridge area. The records shall contain, as a minimum, date and time, pressure differential across the filter cartridge after the automatic cleaning cycle system is completed.  
**[Permit No. 0990705-003-AC]**
- III.A.15** The records shall be kept on site for a period of no less than three years and made available to the Health Department representatives upon request.  
**[Permit No. 0990705-003-AC]**
- III.A.16** Filter Cartridge, Vacuum, and Hopper Maintenance Records: The permittee shall maintain the records of all the maintenance works conducted at the filter cartridges, hoppers, and vacuums including the periodic change of filter cartridges. The records shall contain, as a minimum, date and descriptions of maintenance works, filter cartridge downtime records etc. These records shall be kept on site for a period of no less than five years and be made available to the Health Department representatives upon request.  
**[Permit No. 0990705-003-AC]**

## SECTION 4. APPENDICES

---

### Contents

- Appendix A. Citation Formats and Glossary of Common Terms
- Appendix B. General Conditions
- Appendix C. Common Conditions
- Appendix D. Common Testing Requirements
- Appendix E. Attachments

## SECTION 4. APPENDIX A

### Citation Formats and Glossary of Common Terms

---

#### SECTION CITATION FORMATS

The following illustrate the formats used in the permit to identify applicable requirements from permits and regulations.

##### Old Permit Numbers

Example: Permit No. AC50-123456 or Permit No. AO50-123456

Where: “AC” identifies the permit as an Air Construction Permit  
“AO” identifies the permit as an Air Operation Permit  
“123456” identifies the specific permit project number

##### New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: “099” represents the specific county ID number in which the project is located  
“2222” represents the specific facility ID number for that county  
“001” identifies the specific permit project number  
“AC” identifies the permit as an air construction permit  
“AF” identifies the permit as a minor source federally enforceable state operation permit  
“AO” identifies the permit as a minor source air operation permit  
“AV” identifies the permit as a major Title V air operation permit

##### PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: “PSD” means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality  
“FL” means that the permit was issued by the State of Florida  
“317” identifies the specific permit project number

##### Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

##### Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

#### GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

µg: microgram

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

ARMS: Air Resource Management System  
(Department’s database)

BACT: best available control technology

bhp: brake horsepower

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

CFR: Code of Federal Regulations

CAA: Clean Air Act

CMS: continuous monitoring system

CO: carbon monoxide

CO<sub>2</sub>: carbon dioxide

## SECTION 4. APPENDIX A

### Citation Formats and Glossary of Common Terms

---

<b>COMS:</b> continuous opacity monitoring system	<b>NSPS:</b> New Source Performance Standards
<b>DARM:</b> Division of Air Resource Management	<b>O&amp;M:</b> operation and maintenance
<b>DEP:</b> Department of Environmental Protection	<b>O<sub>2</sub>:</b> oxygen
<b>Department:</b> Department of Environmental Protection	<b>Pb:</b> lead
<b>dscf:</b> dry standard cubic feet	<b>PM:</b> particulate matter
<b>dscfm:</b> dry standard cubic feet per minute	<b>PM<sub>10</sub>:</b> particulate matter with a mean aerodynamic diameter of 10 microns or less
<b>EPA:</b> Environmental Protection Agency	<b>ppm:</b> parts per million
<b>ESP:</b> electrostatic precipitator (control system for reducing particulate matter)	<b>ppmv:</b> parts per million by volume
<b>EU:</b> emissions unit	<b>ppmvd:</b> parts per million by volume, dry basis
<b>F:</b> fluoride	<b>QA:</b> quality assurance
<b>F.A.C.:</b> Florida Administrative Code	<b>QC:</b> quality control
<b>F.A.W.:</b> Florida Administrative Weekly	<b>PSD:</b> prevention of significant deterioration
<b>F.D.:</b> forced draft	<b>psi:</b> pounds per square inch
<b>F.S.:</b> Florida Statutes	<b>PTE:</b> potential to emit
<b>FGD:</b> flue gas desulfurization	<b>RACT:</b> reasonably available control technology
<b>FGR:</b> flue gas recirculation	<b>RATA:</b> relative accuracy test audit
<b>ft<sup>2</sup>:</b> square feet	<b>RBLC:</b> EPA's RACT/BACT/LAER Clearinghouse
<b>ft<sup>3</sup>:</b> cubic feet	<b>SAM:</b> sulfuric acid mist
<b>gpm:</b> gallons per minute	<b>scf:</b> standard cubic feet
<b>gr:</b> grains	<b>scfm:</b> standard cubic feet per minute
<b>HAP:</b> hazardous air pollutant	<b>SIC:</b> standard industrial classification code
<b>Hg:</b> mercury	<b>SIP:</b> State Implementation Plan
<b>I.D.:</b> induced draft	<b>SNCR:</b> selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
<b>ID:</b> identification	<b>SO<sub>2</sub>:</b> sulfur dioxide
<b>kPa:</b> kilopascals	<b>TPD:</b> tons/day
<b>lb:</b> pound	<b>TPH:</b> tons per hour
<b>MACT:</b> maximum achievable control technology	<b>TPY:</b> tons per year
<b>MMBtu:</b> million British thermal units	<b>TRS:</b> total reduced sulfur
<b>MSDS:</b> material safety data sheets	<b>UTM:</b> Universal Transverse Mercator coordinate system
<b>MW:</b> megawatt	<b>VE:</b> visible emissions
<b>NESHAP:</b> National Emissions Standards for Hazardous Air Pollutants	<b>VOC:</b> volatile organic compounds
<b>NO<sub>x</sub>:</b> nitrogen oxides	

## SECTION 4. APPENDIX B

### General Conditions

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are “permit conditions” and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - a. Have access to and copy any records that must be kept under conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department

## SECTION 4. APPENDIX B

### General Conditions

---

rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - a. Determination of Best Available Control Technology (**not applicable**);
  - b. Determination of Prevention of Significant Deterioration (**not applicable**); and
  - c. Compliance with New Source Performance Standards (**not applicable**).
14. The permittee shall comply with the following:
  - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include:
    - (1) The date, exact place, and time of sampling or measurements;
    - (2) The person responsible for performing the sampling or measurements;
    - (3) The dates analyses were performed;
    - (4) The person responsible for performing the analyses;
    - (5) The analytical techniques or methods used;
    - (6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SECTION 4. APPENDIX C**  
**Common Conditions**

---

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.

**EMISSIONS AND CONTROLS**

1. **Plant Operation - Problems:** If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. **Circumvention:** The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. **Excess Emissions Allowed:** Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210-700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [Rule 62-210.700(1), F.A.C.]
4. **Excess Emissions Prohibited:** Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
5. **Excess Emissions - Notification:** In case of excess emissions resulting from malfunctions, the permittee shall notify the Compliance Authority 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.]
6. **VOC or OS Emissions:** No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) 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.]
7. **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. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]
8. **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. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
9. **Unconfined Particulate Emissions:** During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

**RECORDS AND REPORTS**

10. **Records Retention:** All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least 5 years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rule 62-213.440(1)(b)2, F.A.C.]
11. **Emissions Computation and Reporting:**
  - a. **Applicability.** This rule sets forth required methodologies to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance with this rule. This rule is not intended to establish methodologies for determining compliance with the emission

---

**SECTION 4. APPENDIX C**

**Common Conditions**

---

limitations of any air permit. [Rule 62-210.370(1), F.A.C.]

- b. *Computation of Emissions.* For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.
- (1) **Basic Approach.** The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.
- (a) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.
- (b) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
- (c) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
- (2) **Continuous Emissions Monitoring System (CEMS).**
- (a) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:
- 1) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or
- 2) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.
- (b) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:
- 1) A calibrated flow meter that records data on a continuous basis, if available; or
- 2) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
- (c) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.
- (3) **Mass Balance Calculations.**
- (a) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:
- 1) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and
- 2) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the

**SECTION 4. APPENDIX C**  
**Common Conditions**

---

process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.

- (b) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.
  - (c) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.
- (4) Emission Factors.
- (a) An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.
    - 1) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
    - 2) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.
    - 3) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.
  - (b) If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.
- (5) Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.
- (6) Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.
- (7) Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.
- (8) Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.

[Rule 62-210.370(2), F.A.C.]

**SECTION 4. APPENDIX C**

**Common Conditions**

c. *Annual Operating Report for Air Pollutant Emitting Facility* (***Not applicable***)

- (1) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year for the following facilities:
  - (a) All Title V sources.
  - (b) All synthetic non-Title V sources.
  - (c) All facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area.
  - (d) All facilities for which an annual operating report is required by rule or permit.
- (2) Notwithstanding paragraph 62-210.370(3)(a), F.A.C., no annual operating report shall be required for any facility operating under an air general permit.
- (3) By April 1 of the year following each calendar year, an annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office. However, if the annual operating report is submitted using the DEP's electronic annual operating report software, there is no requirement to submit DEP Form No. 62-210.900(5) to any DEP or local air program office. Each Title V Source shall submit the annual operating report using the DEP's electronic annual operating report software, unless the Title V source claims a technical or financial hardship. A technical or financial hardship is claimed by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management at:

AOR and Major Air Pollution Source Annual Emissions Fee  
P.O. Box 3070  
Tallahassee, Florida 32315-3070

(See <http://www.dep.state.fl.us/air/emission/eaor/> for information regarding annual operating reports.)

- (4) Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C., for purposes of the annual operating report.

[Rule 62-210.370(3), F.A.C.]

- d. *Facility Relocation*. Unless otherwise provided by rule or more stringent permit condition, the owner or operator of a relocatable facility must submit a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the Department at least 30 days prior to the relocation. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated. [Rule 62-210.370(4), F.A.C.]

**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

---

**EMISSIONS TESTING REQUIREMENTS**

1. **Required Number of Test Runs:** For emission rate or concentration limitations, an emissions test shall consist of three valid test runs to determine the total air pollutant emission rate or concentration through the test section of the stack or duct. A valid test run is a test run that meets all requirements of the applicable test method. An emissions test shall also consist of three distinct determinations of any applicable process parameters corresponding to the three distinct test run time periods during which the emission rate or concentration was measured when such data are needed in conjunction with emissions data to compare the emissions test results with the applicable emission limiting standards. Such data shall be obtained pursuant to subsection 62-297.310(6), F.A.C. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, results of the two valid runs shall be accepted, provided that the arithmetic mean of the results of the two valid runs is at least 20% below the allowable emission limiting standard. **[Rule 62-297.310(2), F.A.C.]**
2. **Operating Conditions during Emissions Testing:** Testing of emissions shall be conducted with the emissions unit operating at the testing capacity as defined below. If it is impracticable to test at the testing capacity, an emissions unit may be tested at less than the testing capacity. If an emissions unit is tested at less than the testing capacity, another emissions test shall be conducted and completed no later than 60 days after the emissions unit operation exceeds 110% of the capacity at which its most recent emissions test was conducted. Testing capacity is defined as at least 90% of the maximum operation rate specified by the permit. **[Rule 62-297.310(3), F.A.C.]**
3. **Calculation of Emission Rate or Concentration:** The emission rate or concentration used for comparison with the relevant standard shall be the arithmetic average of the emission rate or concentration determined by each of the three valid test runs unless otherwise specified in an applicable rule or test method. Data collected during periods of soot blowing shall not be excluded from any calculation of emission rate or concentration. **[Rule 62-297.310(4), F.A.C.]**
4. **Required Sampling Times and Observation Periods:** Unless otherwise specified in an applicable rule, permit, or other order, the owner or operator shall conduct emissions tests in accordance with the following procedures:
  - a. *Emission Rate or Concentration Tests.* The required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes, except that for operations that are typically completed within less than the minimum required sampling time, the duration of each test run shall include each occurrence of the operation during the minimum required sampling time. The test period shall include the period of typical operation during which the highest representative emissions are expected to occur. **(Not Applicable)**
  - b. *Opacity Tests.* When EPA Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a visible emissions test shall be 60 minutes for emissions units that are subject to a multiple-valued opacity standard, and 30 minutes for all other emissions units, except that for batch, cyclical processes, or other operations that are typically completed within less than the minimum observation period, the period of observation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.  
**[Rule 62-297.310(5), F.A.C.]**
5. **Opacity Compliance Tests.** When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit, unless the Department obtains other information sufficient to demonstrate compliance. The owner or operator of the emissions unit shall provide a report on the results of said tests to the Department in accordance with the provisions of subsection 62-297.310(10), F.A.C.  
**[Rule 62-297.310(8), F.A.C.]**
6. **Scheduling and Notification:** At least 15 days prior to the date on which each required emissions test is to begin, the owner or operator shall notify the air compliance program identified by permit, unless shorter notice is agreed to by the appropriate air compliance program. The notification shall include the date, time, place of each such test, Facility ID Number, Emission Unit ID Number(s) and description(s), Emission Point Number(s) and description(s), test method(s),

**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

---

pollutant(s) to be tested, along with the name and telephone number of the person who will be responsible for conducting such test(s) for the owner or operator. If a scheduled emissions test needs to be re-scheduled, the owner or operator shall submit to the appropriate air compliance program a revised notification at least seven days prior to the re-scheduled emissions test date or arrange a re-scheduled test date with the appropriate air compliance program by mutual agreement. [Rule 62-297.310(9), F.A.C.]

**REPORTS**

7. Test Reports:

- a. The owner or owner's authorized agent of an emissions unit for which an emissions test is required shall submit a written test report to the compliance authority specified by permit, on the results of each such test as soon as practicable but no later than 45 days after the last run of each test is completed. Test reports may be submitted electronically.
- b. If the owner or owner's authorized agent of an emissions unit for which an emissions test is required submits the results of each such test electronically using the EPA Electronic Reporting Tool (ERT), the written report specified in paragraph 62-297.310(10)(a), F.A.C., need not be submitted, provided the conditions of subparagraphs 62-297.310(10)(b)1. through 3., F.A.C., are met:
  - (1) The owner or owner's authorized agent shall submit the test information using the ERT as soon as practicable but no later than 45 days after the last run of each test is completed;
  - (2) The test information shall provide, as a minimum, the information specified in subparagraphs 62-297.310(10)(c)1. through 24., F.A.C.; and
  - (3) The compliance authority specified by permit must receive written notification, no later than 45 days after the last run of each test is completed, of the date that the test data was submitted using the ERT.
- c. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA Method 9 test, shall provide the following information.
  - (1) The type, location, and identification number of the emissions unit tested.
  - (2) The facility at which the emissions unit is located.
  - (3) The owner and, if other than the owner, operator of the emissions unit.
  - (4) The type and amount of fuels and materials typically used and processed, and the actual types and amounts of fuels used and material processed during each test run.
  - (5) If necessary in order to compare the emissions test results with an applicable emission limiting standard, the means, raw data, and computations used to determine the amount of fuels used and materials processed.
  - (6) The type of air pollution control devices installed on the emissions unit, their general condition, their typical operating parameters, and their actual operating parameters during each test run.
  - (7) A diagram of the sampling location, including the distance to any upstream and downstream bends or other flow disturbances.
  - (8) The date, starting time, and duration of each sampling run.
  - (9) The test procedures, including any authorized alternative procedures, used.
  - (10) The number of points sampled, and the configuration and location of the sampling plane.
  - (11) For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack or duct, temperatures, average meter temperatures, and sample time per point.
  - (12) The type, manufacturer, and configuration of the sampling equipment used.
  - (13) Data related to the required calibration of the test equipment.
  - (14) Data on the identification, processing, and weights of all filters used.
  - (15) Data on the types and amounts of any chemical solutions used.

**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

---

- (16) For each sampling run, data on the amount of pollutant collected from each sampling probe.
- (17) For each sampling run, data on the amount of pollutant collected from the filters.
- (18) For each sampling run, data on the amount of pollutant collected from the impingers.
- (19) The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
- (20) All measured and calculated data required to be determined by each applicable test procedure for each run.
- (21) The detailed calculations for one run that relate the collected data to the calculated emission rate or concentration, as applicable.
- (22) The applicable emission standard, and the resulting maximum allowable emission rate or concentration for the emissions unit, as applicable, plus the test result in the same form and unit of measure.
- (23) When an emissions test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or owner's authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his or her knowledge.
- (24) For non-Title V sources, a certification by the owner or owner's authorized agent that, to his or her knowledge, all data submitted are true and correct.
- (25) Any report submitted for a Title V source shall contain certification by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

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

APPENDIX E  
ATTACHMENTS

List of Dust Collectors - March 2017  
Rexall Sundown (NBTY)  
Boca Raton, FL

Emission Unit	Name	Vent Configuration	Area	Dust Control Unit #	Model Number (Torit, except for vacuums)	Min. Flow (cfm)	Max. Flow (cfm)	Estimated Flow (cfm) *
EU001	Blending	Inside of Building	Blending	DC-05	DFT2-36	4,570	28,350	16,460
		Inside of Building	Blending Common Area	DC-F-16	SDF-4	400	1,200	800
		Inside of Building	Common Area of Manuf.	DC-07	DFT2-36	4,570	28,350	16,460
		Outside of Building (ground)	Blending Expansion unit	DC-20	DFT2-8	1,020	6,300	3,660
EU002	Central Vacuums	Outside of Building (roof)	Central Vacuum 1	CV1	Spencer SB-620B	-	-	610
		Outside of Building (roof)	Central Vacuum 2	CV2	Spencer SB-620B	-	-	610
EU003	Compression	Inside of Building	Room 13-17 (Compression)	DC-11	DFT3-6	760	4,720	2,740
		Inside of Building	Room 18-26 (Compression)	DC-06	DFT2-16	2,030	12,600	7,315
		Inside of Building	Room 8-12 **	DC-12	DFT2-8	1,020	6,300	3,660
EU004	Encapsulation	Inside of Building	Room 1-3 (Encapsulation)	DC-08	DFT3-6	760	4,720	2,740
		Inside of Building	Room 4-5 (Encapsulation)	DC-09	DFT2-4	500	3,150	1,825
		Inside of Building	Room 6-7 (Encapsulation)	DC-10	DFT2-4	500	3,150	1,825
EU005	Tablet Coating	Outside of Building (roof)	Coating Room 1	DC-01	DFT2-8	1,020	6,300	3,660
		Outside of Building (roof)	Coating Room 2	DC-02	DFT2-8	1,020	6,300	3,660
		Outside of Building (roof)	Coating Room 3	DC-03	DFT2-8	1,020	6,300	3,660
		Outside of Building (roof)	Coating Room 4	DC-19	DFT3-12	1,525	9,450	5,488
		Outside of Building (roof)	Coating Room 5	DC-17	DFT2-8	1,020	6,300	3,660
		Outside of Building (roof)	Coating Room 6	DC-18	DFT2-8	1,020	6,300	3,660
		Outside of Building (ground)	Coating expansion 2014	DC-21	DFT2-8	1,020	6,300	3,660
		Outside of Building (ground)	Coating expansion 2014	DC-22	DFT2-8	1,020	6,300	3,660
		Outside of Building (ground)	Coating expansion 2014	DC-23	DFT2-8	1,020	6,300	3,660

**NOTES:**

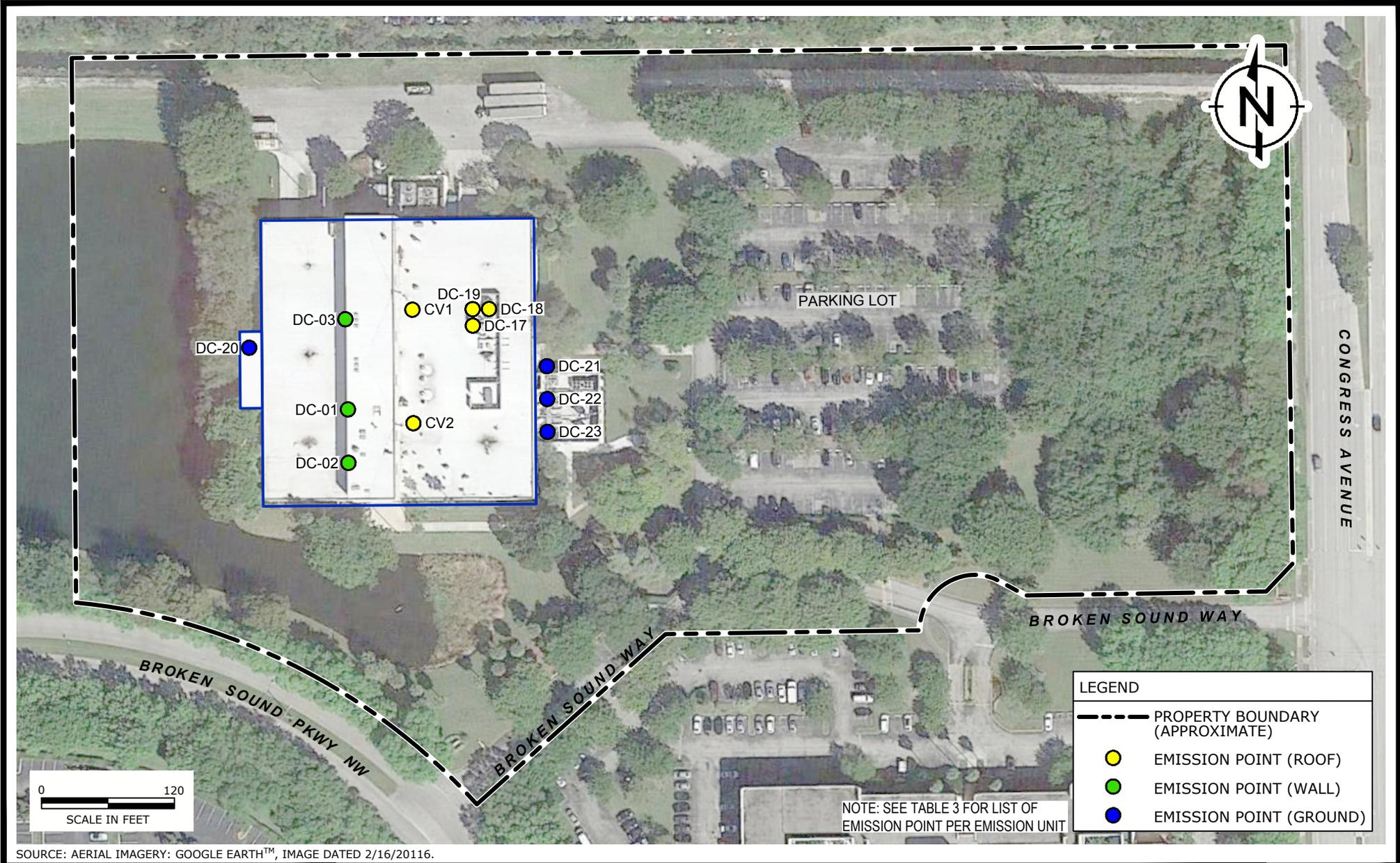
\* - Used mid-point of nominal airflow range from Torit specification sheets.

\*\* - Rooms 8-12 updated January 2016 - They were incorrectly shown as part of EU004 in a previous version of this table.

\*\*\* - The Torit SDF-4 portable dust collector at EU001 was renamed from DC-09 to "DC-F-16" in March 2017, to avoid confusion with DC-09 at EU004.

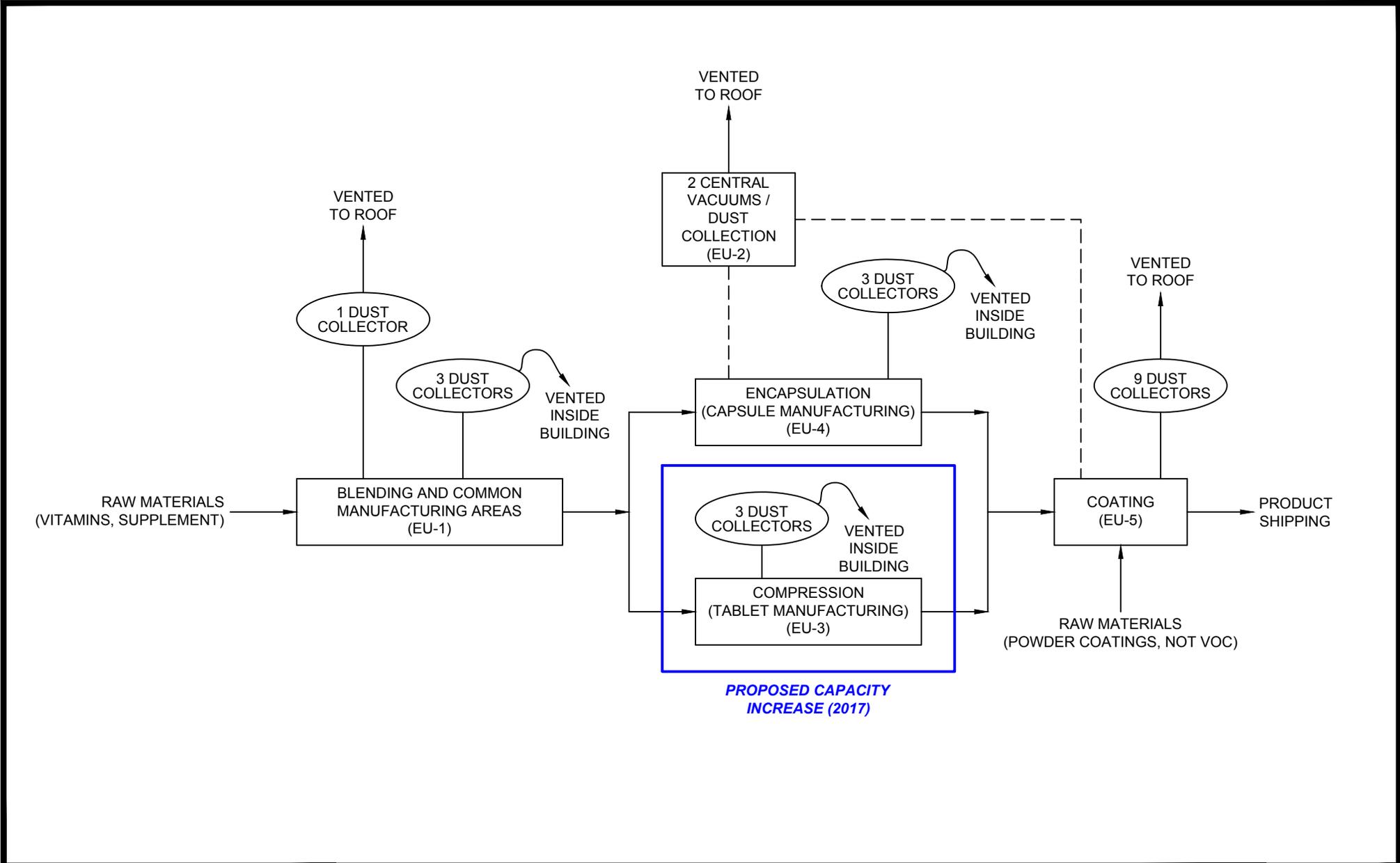
# APPENDIX E ATTACHMENTS

L:\Loop Project Files\00\_CAD FILES\19\NBTY\_Rexall Air Permit-Boca Raton 1931613H\02\_Site Layout.dwg



APPENDIX E  
ATTACHMENTS

L:\Loop Project Files\00\_CAD FILES\19\NBTY\_Rexall Air Analysis-Boca Raton 1931613I\03\_Process Flow Diagram.dwg



## FINAL DETERMINATION

---

### PERMITTEE

Rexall Sundown (NBTY)  
901 Broken Sound Pkwy NW  
Boca Raton, Florida 33487

### PERMITTING AUTHORITY

Florida Department of Health Palm Beach County (Health Department)  
Air & Waste Section,  
800 Clematis Street, 4th Floor,  
West Palm Beach, Florida 33401

### PROJECT

Air Permit No. 0990705-007-AC  
Air Construction Permit  
Rexall Sundown (NBTY)

The Rexall Sundown (NBTY) proposes to increase the capacity of EU003 by adding an additional tablet compression machine (Fette/ 3200i). This proposed change will not change the dust collectors at EU003 or other emissions units. The additional equipment will increase the allowable capacity for Compression Emissions Unit EU003 from 10,463 tons per year to 13,290 tons per year (TPY). Due to this modification, the uncontrolled Particulate matter (PM) potential emissions of the facility will be 91.3 TPY, which represents an increase of 2.9 TPY. Particulate matter emissions are controlled using dust collectors. The controlled PM potential emissions would be 19.9 TPY.

### NOTICE AND PUBLICATION

The Department distributed a draft air construction permit package on 04/26/17. The applicant published the Public Notice in the Sun-Sentinel on 04/30/17. The Department received notarized proof of publication electronically on 05/10/17. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

### COMMENTS

No comments on the Draft Permit were received from the public, the EPA Region 4 Office or the applicant.

### CONCLUSION

The final action of the Department is to issue the permit as drafted.