



# Florida Department of Environmental Protection

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Governor

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Lt. Governor

Southwest District Office  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, Florida 33637-0926

Noah Valenstein  
Secretary

## PERMITTEE

Sofidel America, Inc.  
1006 Marley Drive  
Haines City, FL 33844-8464

Air Permit No. 1050380-011-AC  
Permit Expires: 12/31/2017  
Minor Air Construction Permit

Authorized Representative:  
Mike Brook, Maintenance Manager

Sofidel America – Haines City  
Operation  
New Dust Collector installation  
for EU 003

## PROJECT

This is the final air construction permit, which authorizes the addition of a new dust collection control device to the existing emission unit EU 003, Paper Tissue Production Line No. 1 Tissue Forming Section. The proposed work will be conducted at the existing Haines City Operation, which is a paper tissue and paper towel manufacturing operation categorized under Standard Industrial Classification No. 2676. The existing facility is located in Polk County at 1006 Marley Drive in Haines City, Florida. The UTM coordinates are Zone 17, 439.88 km East and 3107.36 km North.

This final 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. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

## STATEMENT OF BASIS

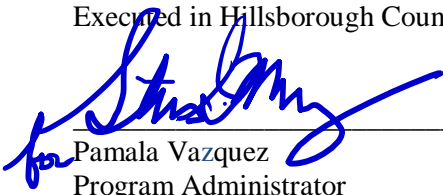
This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

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

## FINAL PERMIT

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Executed in Hillsborough County, Florida



Pamala Vazquez  
Program Administrator  
Permitting & Waste Cleanup Program  
Southwest District


### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Mike Brook, Sofidel America, [michael.brook@sofidelamerica.com](mailto:michael.brook@sofidelamerica.com)  
Timothy M. O'Dell, Environmental Sciences Group, [odellt@environmentalsciencesgroup.com](mailto:odellt@environmentalsciencesgroup.com)  
Cory A. Houchin, Environmental Sciences Group, [houchinc@environmentalsciencesgroup.com](mailto:houchinc@environmentalsciencesgroup.com)  
Steven Tafuni, Florida DEP Southwest District, [steven.tafuni@dep.state.fl.us](mailto:steven.tafuni@dep.state.fl.us)

Clerk Stamp

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



(Clerk)

July 12, 2017

(Date)

## SECTION 1. GENERAL INFORMATION

### FACILITY DESCRIPTION

The existing facility consists of the following emissions units.

Facility ID No. 1050380	
ID No.	Emission Unit Description
002	Paper Tissue Production Line No. 1 Duct Heaters (2)
003	Paper Tissue Production Line No. 1 Tissue Forming Section
004	Hurst Boiler & Welding 980 HP boiler (41 MMBtu/hr nat gas)
005	Paper Tissue Production Line No. 2 Duct Heaters (2)
006	Paper Tissue Production Line No. 2 Tissue Forming Section with a Paper Dust Collection System

### PROPOSED PROJECT

This permit is for the addition of a new dust collections system to currently existing emissions unit EU 003.

This project will modify the following emissions units.

Facility ID No. 1050380	
ID No.	Emission Unit Description
003	Paper Tissue Production Line No. 1 Tissue Forming Section

### EXEMPT EMISSION SOURCES/ACTIVITIES

- Two Vapor Exhaust Stacks – Each production line has a stack that exhausts the presses and suction boxes of the press section. It also exhausts the Reel exhaust system (Reel Section). The exhaust stream includes moisture and trace amounts of paper dust.  
[Rule 62-210.300(3)(b)1., F.A.C.]

### FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility does not operate units subject to the acid rain provisions of the Clean Air Act (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.
- This facility is a synthetic non-Title V source for Hazardous Air Pollutants (HAPs). This permit prohibits the biocide agent used at this facility to contain any HAP. This restriction will ensure that the facility's HAPs emissions will be below the threshold for a Title V source.

### PERMIT HISTORY/AFFECTED PERMITS

This permit references Operation Permit No. 1050380-010-AO.

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## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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### ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Southwest District of the Department of Environmental Protection (Department). The mailing address, phone number and e-mail address is:

Florida Department of Environmental Protection  
Southwest District Office  
Air and Solid Waste Permitting Program  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, Florida 33637-0926  
Telephone: 813-470-5700  
E-mail: SWD\_Air\_Permitting@dep.state.fl.us

All documents related to applications for permits shall be submitted to the above e-mail address and/or address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance Assurance Program. The mailing address, phone number and e-mail address is:

Florida Department of Environmental Protection  
Southwest District Office  
Compliance Assurance Program  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, Florida 33637-0926  
Telephone: 813-470-5700  
E-mail: [SWD\\_Air@dep.state.fl.us](mailto:SWD_Air@dep.state.fl.us)

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); and
  - Appendix D (Common Testing Requirements).
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.
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.]

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## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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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. Application for Non-Title V Air Operation Permit: This permit authorizes modification of the permitted emissions unit and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit. The permittee shall apply for a Non-Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air operation permit, the applicant shall submit the following:
- a. the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*);
  - b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.
  - c. copies of the most recent month of records/logs specified in Specific Condition No. A.4. and
- The application shall be submitted to the Permitting Authority  
[Rules 62-4.030, and 62-4.050 F.A.C.]
9. Annual Operating Report (AOR): The information required by the Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's (DEP) District Office. All synthetic non-Title V sources shall submit a completed DEP Form 62-210.900(5) unless the annual operating report is submitted using the DEP's electronic annual operating report software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C.  
[Rule 62-210.370(3), F.A.C.]

*{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: <http://www.dep.state.fl.us/air/emission/eaor>. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at [eaor@dep.state.fl.us](mailto:eaor@dep.state.fl.us).}*

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

#### A. EU No. 003 Paper Tissue Production Line No. 1 Tissue Forming Section

This section of the permit addresses the following emissions unit.

EU No.	Emission Unit Description
003	<p>Paper Tissue Production Line No. 1 Tissue Forming Section</p> <p>The paper tissue production line makes either paper tissue or paper towel jumbo rolls. Bales of paper stock and recycled paper are delivered to the plant via trucks. A pulper works the paper into a dilute solution with water. Prior to introduction into the tissue forming machine, a biocide agent which may contain VOC is added to the solution to eliminate bacteria in the paper fiber. The tissue forming machine then forms a sheet of paper from this solution. Water is removed from the sheet through a series of screens, presses, vacuum boxes and ultimately with a large cylindrical drum steam dryer and two hot air hoods. This large steam dryer, also known as a Yankee Dryer, is also used to accomplish the creping action which gives the tissue paper a fluffed softer finish. In each hot air hood, also called a Yankee Hood, hot air heated by one natural gas fired duct heater (two duct heaters total for each production line), is directed against the outside of the tissue paper on the steam dryer drum to accomplish additional drying and also carry the removed moisture away. After the steam dryer, a Reel exhaust system vacuum pickup removes additional moisture out of the tissue sheet as the last step of the tissue making process before the mostly dry tissue paper is rolled into the jumbo rolls.</p> <p>The biocide agent (NALCO 7649 or equivalent) used to eliminate bacteria in the paper fiber may contain up to 50% VOC by weight, with the remainder being water. The biocide agent contains no hazardous air pollutant (HAP). A maximum of 114 pounds of biocide agent is used daily per production line.</p> <p>The production line has a stack for the exhausts from the Tissue Forming Section. The exhaust contains moisture, a trace amount of paper dust and is the emission point where most of the VOC from the biocide is emitted to the atmosphere. Each stack is equipped with a mist eliminator ahead of the fan.</p>

#### EQUIPMENT

- A.1. Equipment Name: The permittee is authorized to install a dust collection system. The dust collection system is the Novimpianti Drying Technology Dust Removal System. This production line does not currently have any dust control or collection mechanism installed.  
[Application No. 1050380-011-AC]

#### PERFORMANCE RESTRICTIONS

- A.2. Restricted Operation: The hours of operation are not limited (8760 hours per year).  
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C., Application No. 1050380-011-AC]

#### EMISSIONS STANDARDS

- A.3. Emissions Standards:
- VOC Emissions Limits: Emissions of volatile organic compounds (VOC) from use of the biocide agent in both paper tissue production lines shall not exceed 21 tons in any consecutive 12-month period.  
[Rule 62-210.200(PTE), F.A.C.; Construction Permit 1050380-004-AC]
  - Hazardous Air Pollutant(HAP) Emissions Limit: The biocide agent used at the facility shall not contain any hazardous air pollutant.  
[Rule 62-210.200(PTE), F.A.C. and Construction Permit 1050380-004-AC]

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

#### A. EU No. 003 Paper Tissue Production Line No. 1 Tissue Forming Section

- c. Circumvention of Control Equipment: The permittee shall not circumvent any air pollution control device or allow the emissions of air pollutants without the applicable air pollution control device (i.e., venturi scrubber for the Advantage Run System) operating properly. Increasing the volume of any exhaust stream for the purpose of reducing stack exhaust concentrations is forbidden. This includes allowing dilution air to enter the system through leaks, open vents, or similar means.  
[Rule 62-210.650, F.A.C. and Construction Permit 1050380-004-AC]

#### RECORDS AND REPORTS

*{Permitting Note: The following specific condition applies to both paper tissue production lines, as the facility is not required to record VOC emissions from each paper tissue production line individually.}*

- A.4. Biocide VOC Recordkeeping – In order to document compliance, the permittee shall maintain monthly records of the VOC emissions from biocide usage. Records shall be completed by the 15th day of the following month. The records shall include, but are not limited to, the following:

- Facility ID No. (i.e., 1050380), Emission Unit ID Nos. (i.e., EU 003 or EU 006) and description;
- Month and year;
- Name(s) of biocide agent used;
- The biocide usage (amount used minus amount collected for disposal or recycle), in pounds;
- The VOC content in % by weight;
- Calculate the biocide VOC emissions, using the following general equation:

$$\text{Emissions} = \text{Biocide Usage (lbs} \times \text{VOC Content (\% by weight)/100}$$

- Total VOC emissions for the most recent consecutive 12-month period.

Records of all calculations and supporting documentation ("As Supplied", "As Applied" sheets, MSDS Sheets, EPA data sheets, purchase orders, etc.) shall be kept for each VOC containing material used that includes sufficient information to determine VOC emissions. At the permittee's option, "purchases" may be used where "usage" is specified, provided no material may be used which is not purchased.

[Rule 62-4.160(14)(b), F.A.C.; Construction Permit 1050380-004-AC]