



# Department of Environmental Protection

## Division of Air Resources Management

### APPLICATION FOR NON-TITLE V AIR PERMIT RENEWAL

See Instructions for Form No. 62-210.900(4)

#### I. APPLICATION INFORMATION

##### Identification of Facility

1. Facility Owner/Company Name: Nitrous Oxide Corp.		
2. Site Name: Nitrous Oxide Corp.		
3. Facility Identification Number: 0330089	4. Facility Status Code: A	

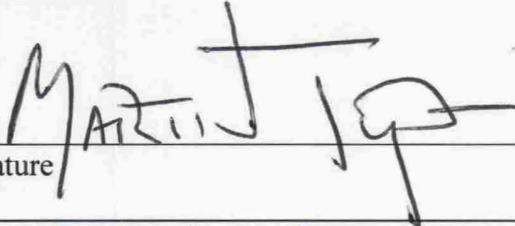
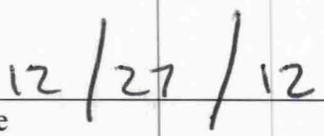
##### Application Contact

1. Name and Title of Application Contact: Martin Tupman/VP and General Manager		
2. Application Contact Mailing Address:  Organization/Firm: Nitrous Oxide Corp Street Address: 650 Chemstrand Rd City: Cantonment                      State: FL                      Zip Code:32533		
3. Application Contact Telephone Numbers: Telephone: (913 )      232-7194                      Fax: (877 )      244-4028		

##### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	

**Owner/Authorized Representative**

1. Name and Title of Owner/Authorized Representative:  Martin Tupman / V.P. and General Manager	
2. Owner/Authorized Representative Mailing Address:  Organization/Firm: Nitrous Oxide Corp Street Address: 2530 Sever Road, Ste. 300 City: Lawrenceville State: GA Zip Code: 30043	
3. Owner/Authorized Representative Telephone Numbers: Telephone: (913) 232-7194 Fax: (877) 244-4028	
4. Owner/Authorized Representative Statement:  <i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this Application for Air Permit. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>   Signature _____   Date _____	

\* Attach letter of authorization if not currently on file.

**Scope of Application**

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>	<b>Permit Type</b>	<b>Processing Fee</b>
001	1 <sup>st</sup> Process gas separation	AF2B	See below
002	2 <sup>nd</sup> gas separator vent	AF2B	See below

**Application Processing Fee**

Check one: [  ] Attached - Amount: \$ 1,000.00 [  ] Not Applicable

**Application Comment**

**Similar emissions unit fee per Fed Schedule in 62-4.050**

## II. FACILITY INFORMATION

### Facility Contact

1. Name and Title of Facility Contact: Doug Rittenbery / Acting Plant Manager		
2. Facility Contact Mailing Address: Organization/Firm: Nitrous Oxide Corp Street Address: 650 Chemstrand Rd City: Cantonment State: FL Zip Code: 32533		
3. Facility Contact Telephone Numbers: Telephone: (850 ) 968-5703 Fax: (850) 968-0199		

### Facility Supplemental Requirements

1. Area Map Showing Facility Location: C-8203-08-009 <input checked="" type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested		
2. Facility Plot Plan: C-8203-08-005 <input checked="" type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested		
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested		
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested		

### Facility Comment

Production rate and process flow are confidential. These emission units do not discharge particulate matter.		
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**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): 1 <sup>st</sup> Process gas separator	
2. Emissions Unit Status Code: Active	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method/Description (limit to 200 characters per device or method): Following initial catalytic scrubbing step to remove NOx, this unit produces non-condensable gases from an absorber column, reducing N2O emissions. Primary function is to remove Nitrous Oxide.	

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate: N/A	mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr                      tons/day
3. Maximum Process or Throughput Rate: 14,500 lb/hr Current maximum 11,069 lb/hr based on testing conducted in 2008.	
4. Maximum Production Rate: N/A	
5. Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8,736 hours/year

**III. EMISSIONS UNIT INFORMATION**

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**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): 2nd Process gas separator	
2. Emissions Unit Status Code: Active	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method / Description : Emissions unit corresponds to vent off of product desorber. This column emissions unit produces a vent from a desorption column.	

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate: N/A	mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr tons/day
3. Maximum Process or Throughput Rate: 14,500 lb/hr Current maximum 11,069 lb/hr based on testing conducted in 2008.	
4. Maximum Production Rate: N/A	
5. Requested Maximum Operating Schedule:	
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weeks/year	hours/year