



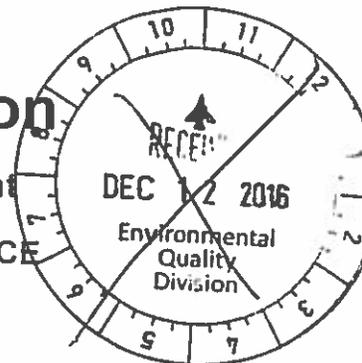
Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION



Identification of Facility

1. Facility Owner/Company Name: Dresser, Inc.	
2. Site Name: GE Oil & Gas - Jacksonville	
3. Facility Identification Number: [X] Unknown	
4. Facility Location: 12970 Normandy Blvd. Street Address or Other Locator: City: Jacksonville County: Duval Zip Code: 32221	
5. Relocatable Facility? [] Yes [X] No	6. Existing Permitted Facility? [X] Yes (GP) [] No

Application Contact

1. Name and Title of Application Contact: Waleska Ramos, EHS Leader
2. Application Contact Mailing Address: Organization/Firm: GE Oil & Gas - Jacksonville Street Address: 12970 Normandy Blvd. City: Jacksonville State: FL Zip Code: 32221
3. Application Contact Telephone Numbers: Telephone: (904) 570-3147 Fax: ()
4. Application Contact E-mail Address: waleska.ramos@ge.com

Application Processing Information (DEP Use)

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



Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
- Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: _____

- Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: _____

Operation permit number to be revised: _____

- Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s):

- Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit number to be revised: _____

Reason for revision: _____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

5. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

Signature

Date



(seal)

* Attach any exception to certification statement.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Facility will be increasing coating usage and will no longer qualify for the currently-held General Permit.

2. Projected or Actual Date of Commencement of Construction: N/A

3. Projected Date of Completion of Construction: N/A

Application Comment

The facility currently has equipment subject to the following permit exemptions in 62-210.300(3) (a):

- 7. Equipment used for steam cleaning.
- 9. Equipment used exclusively for space heating, other than boilers.
- 12. Laboratory equipment used exclusively for chemical or physical analyses.
- 13. Brazing, soldering or welding equipment.
- 24. Non-halogenated solvent storage and cleaning operations, provided that such operations shall not use any solvent containing any hazardous air pollutant.

The facility currently has equipment subject to the following permit exemptions in 62-210.300(3) (b)(1):

Totally enclosed abrasive blast booths with media recycling, vented to cartridge filters using media rated at 99.999% removal of PM which are located and vented inside the building.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: _____ East (km): _____ North (km): _____			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): N 30 15' 6" Longitude (DD/MM/SS): W 81 52' 32"			
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 34	6. Facility SIC(s): 3491
7. Facility Comment (limit to 500 characters): None			

Facility Contact

1. Name and Title of Facility Contact: Waleska Ramos, EHS Leader		
2. Application Contact Mailing Address: Organization/Firm: GE Oil & Gas - Jacksonville Street Address: 12970 Normandy Blvd. City: Jacksonville State: FL Zip Code: 32221		
3. Application Contact Telephone Numbers: Telephone: (904) 570-3147 Fax: ()		
4. Application Contact E-mail Address: waleska.ramos@ge.com		

Facility Regulatory Classifications

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
5. <input type="checkbox"/> One or More Emissions Units Subject to NSPS?	
6. <input type="checkbox"/> One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters): Natural minor	

Rule Applicability Analysis

The facility will no longer qualify for its General Permit when coating usage exceeds 750 gallons/year. i.e., when the facility no longer qualifies for the RACT exemption found in 62-296.500(3)(a), as interpreted by the DARM-PER-22 guidance document.

62-296.513(2)(a)2. will then limit coatings to 3.5 lb VOC/gal, minus water and exempt solvents.

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: [X] Attached, Document ID: <u>2</u> [] Not Applicable [] Waiver Requested
2. Facility Plot Plan: [X] Attached, Document ID: <u>3</u> [] Not Applicable [] Waiver Requested
3. Process Flow Diagram(s): [X] Attached, Document ID: <u>4</u> [] Not Applicable [] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
5. Supplemental Information for Construction Permit Application: [] Attached, Document ID: _____ [X] Not Applicable
6. Supplemental Requirements Comment: None

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)		
<input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).		
<input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.		
<input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.		
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Booth #1		
3. Emissions Unit Identification Number: ID: <input checked="" type="checkbox"/> No ID <input type="checkbox"/> ID Unknown		
4. Emissions Unit Status Code: A	5. Initial Startup Date: 11/17/15	6. Emissions Unit Major Group SIC Code: 34
7. Emissions Unit Comment: (Limit to 500 Characters) ConveyORIZED spray booth		

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method):
Modular spray booth filters for PM/PM10 control.

2. Control Device or Method Code(s): 058

Emissions Unit Details

1. Package Unit: Spray booth
Manufacturer: Colmet Model Number: XDS-12-10-12-N-SB-Flat Top

2. Generator Nameplate Rating: N/A MW

3. Incinerator Information:
Dwell Temperature: N/A °F
Dwell Time: N/A seconds
Incinerator Afterburner Temperature: N/A °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A mmBtu/hr

2. Maximum Incineration Rate: N/A lb/hr N/A tons/day

3. Maximum Process or Throughput Rate: N/A

4. Maximum Production Rate: 86 Mooney valves coated per day

5. Requested Maximum Operating Schedule:
24 hours/day 7 days/week
52 weeks/year 8760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters): Due to the nature of the business, there will be items coated in this booth other than what is listed in Question #4. However, based on projected production capabilities, the overall collection of products and coating rates shown in the attached calculations constitutes the maximum theoretical VOC usage on a facility-wide basis.

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 1		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): 30" exhaust stack for Booth #1			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 42 feet	7. Exit Diameter: 2.5 feet	
8. Exit Temperature: 70°F	9. Actual Volumetric Flow Rate: 10,700 acfm	10. Water Vapor: Unk. %	
11. Maximum Dry Standard Flow Rate: Unk. dscfm		12. Nonstack Emission Point Height: N/A feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 4157 North (km): 3347			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): N/A		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code: None	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 13.73 lb/day 2.50 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): 86 parts/day * 0.031 gallons/part * 3.5 lbs VOC/gal + 0.6 gal/day cleanup * 7.34 lb/gal = 13.73 lb/day 13.73 lb/day * 365 day/yr ÷ 2000 lb/ton = 2.50 ton/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters): N/A			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 058	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: 98	
6. Potential Emissions: 0.42 lb/day 0.08 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): $2.67 \text{ gallons/day} * 11.27 \text{ lb/gal} * 100\% \text{ solids} * (1 - 30\% \text{ T.E.}) * (1 - 98\% \text{ C. E.}) = 0.42 \text{ lb/day}$ $0.42 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 0.08 \text{ ton/yr}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): N/A			

Allowable Emissions Allowable Emissions ___ 1 ___ of ___ 1 ___

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 3.5 lb VOC/gal, -H2O, xs	4. Equivalent Allowable Emissions: 9.41 lb/day 1.72 tons/year
5. Method of Compliance (limit to 60 characters): coating usage/VOC emission spreadsheet, based on coating formulations	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-296.513(2)(a)2. The allowable emissions above are for coatings only since cleanup materials aren't subject to the 3.5 lbs/gal limit. Cleanup emissions should be included in the limit.	

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)		
<input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).		
<input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.		
<input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.		
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Booth #2a		
3. Emissions Unit Identification Number: ID:		<input checked="" type="checkbox"/> No ID <input type="checkbox"/> ID Unknown
4. Emissions Unit Status Code: A	5. Initial Startup Date: 9/18/15	6. Emissions Unit Major Group SIC Code: 34
7. Emissions Unit Comment: (Limit to 500 Characters) Industrial open front paint booth		

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Modular spray booth filters for PM/PM10 control.
2. Control Device or Method Code(s): 058

Emissions Unit Details

1. Package Unit: Spray booth Manufacturer: Colmet Model Number: HDS-12-10-15-P-SB-Flat Top
2. Generator Nameplate Rating: N/A MW
3. Incinerator Information: Dwell Temperature: N/A °F Dwell Time: N/A seconds Incinerator Afterburner Temperature: N/A °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A mmBtu/hr
2. Maximum Incineration Rate: N/A lb/hr N/A tons/day
3. Maximum Process or Throughput Rate: N/A
4. Maximum Production Rate: 108 Masoneilan valves and 13 Becker valves coated per day
5. Requested Maximum Operating Schedule: 24 hours/day 7 days/week 52 weeks/year 8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): Due to the nature of the business, there will be items coated in this booth other than what is listed in Question #4. However, based on projected production capabilities, the overall collection of products and coating rates shown in the attached calculations constitutes the maximum theoretical VOC usage on a facility-wide basis.

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 2a		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Two identical 24" exhaust stacks for Booth #2a			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V		6. Stack Height: 42 feet	7. Exit Diameter: 2 feet
8. Exit Temperature: 70°F	9. Actual Volumetric Flow Rate: 10,125 acfm, combined		10. Water Vapor: Unk. %
11. Maximum Dry Standard Flow Rate: N/A dscfm		12. Nonstack Emission Point Height: N/A feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 4157 North (km): 3347			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): N/A		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL
3. Primary Control Device Code: None	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A
6. Potential Emissions: 39.10 lb/day 7.14 tons/year		7. Synthetically Limited? [NO]
8. Emission Factor: N/A Reference:		9. Emissions Method Code: 0
10. Calculation of Emissions (limit to 600 characters): $[(108 \text{ parts/day} * 0.042 \text{ gallons/part}) + (13 \text{ parts/day} * 0.333 \text{ gallons/part})] * 3.5 \text{ lbs VOC/gal} + 1.10 \text{ gal/day cleanup} * 7.34 \text{ lb/gal} = 39.10 \text{ lb/day}$ $39.10 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 7.14 \text{ ton/yr}$		
11. Pollutant Potential Emissions Comment (limit to 200 characters): N/A		

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 058	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: 98	
6. Potential Emissions: 1.40 lb/day 0.25 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference:		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): $8.87 \text{ gallons/day} * 11.27 \text{ lb/gal} * 100\% \text{ solids} * (1 - 30\% \text{ T.E.}) * (1 - 98\% \text{ C. E.}) = 1.40 \text{ lb/day}$ $1.40 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 0.25 \text{ ton/yr}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): N/A			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 3.5 lb VOC/gal, -H ₂ O, xs	4. Equivalent Allowable Emissions: 30.92 lb/day 5.64 tons/year
5. Method of Compliance (limit to 60 characters): coating usage/VOC emission spreadsheet, based on coating formulations	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-296.513(2)(a)2. The allowable emissions above are for coatings only since cleanup materials aren't subject to the 3.5 lbs/gal limit. Cleanup emissions should be included in the limit.	

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Booth #2b - The IR cure enclosure on the #2 line has been converted to a spray booth.</p>		
<p>3. Emissions Unit Identification Number: ID:</p>		<p><input checked="" type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: 9/18/15</p>	<p>6. Emissions Unit Major Group SIC Code: 34</p>
<p>7. Emissions Unit Comment: (Limit to 500 Characters) None</p>		

Emissions Unit Information Section _____ of _____
 Pollutant Detail Information Page _____ of _____
Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Modular pleated carbon filters for PM/PM10 control.
2. Control Device or Method Code(s): 058

Emissions Unit Details

1. Package Unit: Spray booth Manufacturer: Colmet Model Number: N/A
2. Generator Nameplate Rating: N/A MW
3. Incinerator Information: Dwell Temperature: N/A °F Dwell Time: N/A seconds Incinerator Afterburner Temperature: N/A °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A mmBtu/hr
2. Maximum Incineration Rate: N/A lb/hr N/A tons/day
3. Maximum Process or Throughput Rate: N/A
4. Maximum Production Rate: 20 Components coated per day
5. Requested Maximum Operating Schedule: 24 hours/day 7 days/week 52 weeks/year 8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): Due to the nature of the business, there will be items coated in this booth other than what is listed in Question #4. However, based on projected production capabilities, the overall collection of products and coating rates shown in the attached calculations constitutes the maximum theoretical VOC usage on a facility-wide basis.

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 2b		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): One 18" diameter vertical stack.			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 48 feet	7. Exit Diameter: 1.5 feet	
8. Exit Temperature: 70°F	9. Actual Volumetric Flow Rate: 1600 acfm	10. Water Vapor: Unk. %	
11. Maximum Dry Standard Flow Rate: Unk. dscfm		12. Nonstack Emission Point Height: N/A feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 4157 North (km): 3347			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): N/A		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL
3. Primary Control Device Code: None	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A
6. Potential Emissions: 57.07 lb/day 10.42 tons/year		7. Synthetically Limited? [NO]
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0
10. Calculation of Emissions (limit to 600 characters): 20 parts/day * 0.70 gallons/part * 3.5 lbs VOC/gal + 1.10 gal/day cleanup * 7.34 lb/gal = 57.07 lb/day 57.07 lb/day * 365 day/yr ÷ 2000 lb/ton = 10.42 ton/yr		
11. Pollutant Potential Emissions Comment (limit to 200 characters): None		

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 058	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: 98	
6. Potential Emissions: 2.21 lb/day 0.40 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): $14.00 \text{ gallons/day} * 11.27 \text{ lb/gal} * 100\% \text{ solids} * (1 - 30\% \text{ T.E.}) * (1 - 98\% \text{ C. E.}) = 2.21 \text{ lb/day}$ $2.21 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 0.40 \text{ ton/yr}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions ___ l ___ of ___ l ___

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 3.5 lb VOC/gal, -H2O, xs	4. Equivalent Allowable Emissions: 49.00 lb/day 8.94 tons/year
5. Method of Compliance (limit to 60 characters): coating usage/VOC emission spreadsheet, based on coating formulations	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-296.513(2)(a)2. The allowable emissions above are for coatings only since cleanup materials aren't subject to the 3.5 lbs/gal limit. Cleanup emissions should be included in the limit.	

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Booth #3</p>		
<p>3. Emissions Unit Identification Number: ID:</p>		<p><input checked="" type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: 2/1/16</p>	<p>6. Emissions Unit Major Group SIC Code: 34</p>
<p>7. Emissions Unit Comment: (Limit to 500 Characters) Industrial open front paint booth</p>		

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Modular spray booth filters for PM/PM10 control.
2. Control Device or Method Code(s): 058

Emissions Unit Details

1. Package Unit: Spray booth Manufacturer: Colmet Model Number: HDS-20-20-20-N-SB
2. Generator Nameplate Rating: N/A MW
3. Incinerator Information: Dwell Temperature: N/A °F Dwell Time: N/A seconds Incinerator Afterburner Temperature: N/A °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A mmBtu/hr
2. Maximum Incineration Rate: N/A lb/hr N/A tons/day
3. Maximum Process or Throughput Rate: N/A
4. Maximum Production Rate: 13 Strangers coated per day
5. Requested Maximum Operating Schedule: 24 hours/day 7 days/week 52 weeks/year 8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): Due to the nature of the business, there will be items coated in this booth other than what is listed in Question #4. However, based on projected production capabilities, the overall collection of products and coating rates shown in the attached calculations constitutes the maximum theoretical VOC usage on a facility-wide basis.

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 3		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Two identical 30" exhaust stacks for the Booth #3			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 42 feet	7. Exit Diameter: 2.5 feet	
8. Exit Temperature: 70°F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: Unk. %	
11. Maximum Dry Standard Flow Rate: Unk. dscfm		12. Nonstack Emission Point Height: N/A feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 4157 North (km): 3347			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): N/A		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code: None	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A	
6. Potential Emissions: 39.92 lb/day 7.29 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): $13 \text{ parts/day} * 0.7 \text{ gallons/part} * 3.5 \text{ lbs VOC/gal} + 1.10 \text{ gal/day cleanup} * 7.34 \text{ lb/gal} = 39.92 \text{ lb/day}$ $39.92 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 7.29 \text{ ton/yr}$			

Emissions Unit Information Section ____ of ____

Pollutant Detail Information Page ____ of ____

11. Pollutant Potential Emissions Comment (limit to 200 characters): None

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 058	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: 98	
6. Potential Emissions: 1.44 lb/hour 0.26 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: Reference:		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): 9.10 gallons/day * 11.27 lb/gal * 100% solids * (1 - 30% T.E.) * (1 - 98% C. E.) = 1.44 lb/day 1.44 lb/day * 365 day/yr ÷ 2000 lb/ton = 0.26 ton/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions __ 1 __ of __ 1 __

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 3.5 lb VOC/gal, -H2O, xs	4. Equivalent Allowable Emissions: 31.85 lb/day 5.81 tons/year
5. Method of Compliance (limit to 60 characters): coating usage/VOC emission spreadsheet, based on coating formulations	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-296.513(2)(a)2. The allowable emissions above are for coatings only since cleanup materials aren't subject to the 3.5 lbs/gal limit. Cleanup emissions should be included in the limit.	

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Booth #4</p>		
<p>3. Emissions Unit Identification Number: ID:</p>		<p><input checked="" type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: 5/15/16</p>	<p>6. Emissions Unit Major Group SIC Code: 34</p>
<p>7. Emissions Unit Comment: (Limit to 500 Characters) Industrial open front paint booth</p>		

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method):
Modular spray booth filters for PM/PM10 control.

2. Control Device or Method Code(s): 058

Emissions Unit Details

1. Package Unit: Spray booth

Manufacturer: _____ Model Number: _____

2. Generator Nameplate Rating: N/A MW

3. Incinerator Information:

Dwell Temperature: N/A °F

Dwell Time: N/A seconds

Incinerator Afterburner Temperature: N/A °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A mmBtu/hr

2. Maximum Incineration Rate: N/A lb/hr N/A tons/day

3. Maximum Process or Throughput Rate: N/A

4. Maximum Production Rate: 46 CN valves coated per day

5. Requested Maximum Operating Schedule:

24 hours/day 7 days/week

52 weeks/year 8760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters): Due to the nature of the business, there will be items coated in this booth other than what is listed in Question #4. However, based on projected production capabilities, the overall collection of products and coating rates shown in the attached calculations constitutes the maximum theoretical VOC usage on a facility-wide basis.

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 4		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): 30" exhaust stack for Booth #4			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 42 Feet	7. Exit Diameter: 2.5 Feet	
8. Exit Temperature: 70°F	9. Actual Volumetric Flow Rate: 12,500 acfm	10. Water Vapor: Unk. %	
11. Maximum Dry Standard Flow Rate: Unk. dscfm		12. Nonstack Emission Point Height: N/A feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 4157 North (km): 3347			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): N/A		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code: None	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A	
6. Potential Emissions: 9.70 lb/day 1.77 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): 46 parts/day * 0.042 gallons/part * 3.5 lbs VOC/gal + 0.40 gal/day cleanup * 7.34 lb/gal = 9.70 lb/day 9.70 lb/day * 365 day/yr ÷ 2000 lb/ton = 1.77 ton/yr			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

11. Pollutant Potential Emissions Comment (limit to 200 characters): None

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 058	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: 98	
6. Potential Emissions: 0.30 lb/day 0.06 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0	

10. Calculation of Emissions (limit to 600 characters):
 $1.93 \text{ gallons/day} * 11.27 \text{ lb/gal} * 100\% \text{ solids} * (1 - 30\% \text{ T.E.}) * (1 - 98\% \text{ C. E.}) = 0.3 \text{ lb/day}$
 $0.3 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 0.06 \text{ ton/yr}$

11. Pollutant Potential Emissions Comment (limit to 200 characters): None

Allowable Emissions Allowable Emissions ___ l ___ of ___ l ___

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 3.5 lb VOC/gal, -H2O, xs	4. Equivalent Allowable Emissions: 6.76 lb/day 1.23 tons/year
5. Method of Compliance (limit to 60 characters): coating usage/VOC emission spreadsheet, based on coating formulations	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-296.513(2)(a)2. The allowable emissions above are for coatings only since cleanup materials aren't subject to the 3.5 lbs/gal limit. Cleanup emissions should be included in the limit.	

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)		
<input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).		
<input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.		
<input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.		
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Booth #5		
3. Emissions Unit Identification Number: ID:		<input checked="" type="checkbox"/> No ID <input type="checkbox"/> ID Unknown
4. Emissions Unit Status Code: A	5. Initial Startup Date: 12/15/16	6. Emissions Unit Major Group SIC Code: 34
7. Emissions Unit Comment: (Limit to 500 Characters) Industrial open front paint booth		

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method):
Modular spray booth filters for PM/PM10 control.

2. Control Device or Method Code(s): 058

Emissions Unit Details

1. Package Unit: Spray booth
Manufacturer: _____ Model Number: _____

2. Generator Nameplate Rating: N/A MW

3. Incinerator Information:

Dwell Temperature: N/A °F

Dwell Time: N/A seconds

Incinerator Afterburner Temperature: N/A °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A mmBtu/hr

2. Maximum Incineration Rate: N/A lb/hr N/A tons/day

3. Maximum Process or Throughput Rate: N/A

4. Maximum Production Rate: 106 CN valves coated per day

5. Requested Maximum Operating Schedule:

24 hours/day 7 days/week

52 weeks/year 8760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters): Due to the nature of the business, there will be items coated in this booth other than what is listed in Question #4. However, based on projected production capabilities, the overall collection of products and coating rates shown in the attached calculations constitutes the maximum theoretical VOC usage on a facility-wide basis.

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 5		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): 30" exhaust stack for Booth #5			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 42 Feet	7. Exit Diameter: 2.5 Feet	
8. Exit Temperature: 70°F	9. Actual Volumetric Flow Rate: 12,500 acfm	10. Water Vapor: Unk. %	
11. Maximum Dry Standard Flow Rate: Unk. dscfm		12. Nonstack Emission Point Height: N/A feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 4157 North (km): 3347			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): N/A		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code: None	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A	
6. Potential Emissions: 21.45 lb/day 3.91 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): $106 \text{ parts/day} * 0.042 \text{ gallons/part} * 3.5 \text{ lbs VOC/gal} + 0.80 \text{ gal/day cleanup} * 7.34 \text{ lb/gal} = 21.45 \text{ lb/day}$ $21.45 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 3.91 \text{ ton/yr}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): None			

Emissions Unit Information Section _____ of _____
 Pollutant Detail Information Page _____ of _____

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 058	4. Secondary Control Device Code: N/A		5. Total Percent Efficiency of Control: 98
6. Potential Emissions: 1.0 lb/day 0.18 tons/year			7. Synthetically Limited? [NO]
8. Emission Factor: N/A Reference: N/A			9. Emissions Method Code: 0
10. Calculation of Emissions (limit to 600 characters): $4.45 \text{ gallons/day} * 11.27 \text{ lb/gal} * 100\% \text{ solids} * (1 - 30\% \text{ T.E.}) * (1 - 98\% \text{ C. E.}) = 0.7 \text{ lb/day}$ $0.7 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 0.13 \text{ ton/yr}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions ___ l ___ of ___ l ___

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: 3.5 lb VOC/gal, -H ₂ O, xs	4. Equivalent Allowable Emissions: 15.58 lb/day 2.84 tons/year		
5. Method of Compliance (limit to 60 characters): coating usage/VOC emission spreadsheet, based on coating formulations			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-296.513(2)(a)2. The allowable emissions above are for coatings only since cleanup materials aren't subject to the 3.5 lbs/gal limit. Cleanup emissions should be included in the limit.			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)		
<input checked="" type="checkbox"/> [X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).		
<input type="checkbox"/> [] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.		
<input type="checkbox"/> [] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.		
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Booth #6		
3. Emissions Unit Identification Number: ID:		<input checked="" type="checkbox"/> [X] No ID <input type="checkbox"/> [] ID Unknown
4. Emissions Unit Status Code: A	5. Initial Startup Date: 9/18/15	6. Emissions Unit Major Group SIC Code: 34
7. Emissions Unit Comment: (Limit to 500 Characters) Portable spray area enclosed by a curtain and employing a free standing air filtration module		

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Modular pleated carbon filters for PM/PM10 control.
2. Control Device or Method Code(s): 058

Emissions Unit Details

1. Package Unit: Spray booth Manufacturer: Shop-Pro Equipment Model Number: Mobile Work Station
2. Generator Nameplate Rating: N/A MW
3. Incinerator Information: Dwell Temperature: N/A °F Dwell Time: N/A seconds Incinerator Afterburner Temperature: N/A °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A mmBtu/hr
2. Maximum Incineration Rate: N/A lb/hr N/A tons/day
3. Maximum Process or Throughput Rate: N/A
4. Maximum Production Rate: 20 Components coated per day
5. Requested Maximum Operating Schedule: 24 hours/day 7 days/week 52 weeks/year 8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): Due to the nature of the business, there will be items coated in this booth other than what is listed in Question #4. However, based on projected production capabilities, the overall collection of products and coating rates shown in the attached calculations constitutes the maximum theoretical VOC usage on a facility-wide basis.

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 6		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): A modular ventilation unit will draw air from the enclosure through a filter and exhaust it back into the room, just above the enclosure.			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: feet	7. Exit Diameter: feet	
8. Exit Temperature: 70°F	9. Actual Volumetric Flow Rate: Unk. acfm	10. Water Vapor: Unk. %	
11. Maximum Dry Standard Flow Rate: Unk. dscfm		12. Nonstack Emission Point Height: N/A feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters): None			

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): N/A		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL
3. Primary Control Device Code: None	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A
6. Potential Emissions: 57.07 lb/day 10.42 tons/year		7. Synthetically Limited? [NO]
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0
10. Calculation of Emissions (limit to 600 characters): 20 parts/day * 0.70 gallons/part * 3.5 lbs VOC/gal + 1.10 gal/day cleanup * 7.34 lb/gal = 57.07 lb/day 57.07 lb/day * 365 day/yr ÷ 2000 lb/ton = 10.42 ton/yr		
11. Pollutant Potential Emissions Comment (limit to 200 characters): None		

Emissions Unit Information Section _____ of _____

Pollutant Detail Information Page _____ of _____

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: WP	
3. Primary Control Device Code: 058	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: 98	
6. Potential Emissions: 2.21 lb/day 0.40 tons/year		7. Synthetically Limited? [NO]	
8. Emission Factor: N/A Reference: N/A		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): $14.00 \text{ gallons/day} * 11.27 \text{ lb/gal} * 100\% \text{ solids} * (1 - 30\% \text{ T.E.}) * (1 - 98\% \text{ C. E.}) = 2.21 \text{ lb/day}$ $2.21 \text{ lb/day} * 365 \text{ day/yr} \div 2000 \text{ lb/ton} = 0.40 \text{ ton/yr}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): None			

Allowable Emissions Allowable Emissions ___ 1 ___ of ___ 1 ___

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 3.5 lb VOC/gal, -H2O, xs	4. Equivalent Allowable Emissions: 49.00 lb/day 8.94 tons/year
5. Method of Compliance (limit to 60 characters): coating usage/VOC emission spreadsheet, based on coating formulations	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 62-296.513(2)(a)2. The allowable emissions above are for coatings only since cleanup materials aren't subject to the 3.5 lbs/gal limit. Cleanup emissions should be included in the limit.	

E. VISIBLE EMISSIONS INFORMATION
(Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype: N/A	2. Basis for Allowable Opacity: [] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: _____ % Exceptional Conditions: _____ % Maximum Period of Excess Opacity Allowed: _____ min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 characters):	

F. CONTINUOUS MONITOR INFORMATION
(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: N/A	2. Pollutant(s):
3. CMS Requirement:	[] Rule [] Other
4. Monitor Information: Manufacturer: Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: 4 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

Attachment 1

Emission Calculations

**GE Oil & Gas
Jacksonville, FL**

Objective

Potential to Emit (PTE) is calculated by mass balance of VOC in all materials.

Methodology and Data

Maximum coating and cleanup usage and part throughput rates were provided by GE engineers familiar with the coating lines. All coatings were assumed to contain the maximum allowable 3.5 lb VOC/gal. Due to the nature of the business, there will be items coated in each booth other than what is listed. However, based on projected production capabilities, the overall collection of products and coating rates shown below constitutes the maximum theoretical VOC usage on a facility-wide basis.

Emissions Based on Estimates of Usage by Booth and Worst-Case VOC Content								
Column Reference	A	B	C	D	E	F	G	H
Calculated Value	--	--	--	A x B	--	--	C x D	G x 365/2000
	Maximum Parts/Day	Coating: Gal/Part	Coating VOC lb/gal	Coating Usage: Gal/Day	Cleanup Usage: Gal/day	Cleanup VOC lb/gal	VOC Emissions lb/day	VOC Emissions ton/yr
Runners								
Mooney Valves	86	0.031	3.5	2.67			9.33	1.70
Cleanup (911)					0.6	7.34	4.40	0.80
Booth #1 Total							13.73	2.50
Repeaters								
Masoneilan Valves	108	0.042	3.5	4.54			15.88	2.90
Becker Valves	13	0.333	3.5	4.33			15.15	2.77
Cleanup (911)					1.10	7.34	8.07	1.47
Booth #2a Total							39.10	7.14
Repeaters Cure								
Components	20	0.700	3.5	14.00			49.00	8.94
Cleanup (911)					1.10	7.34	8.07	1.47
Booth #2b Total							57.07	10.41
Strangers								
Strangers	13	0.700	3.5	9.10			31.85	5.81
Cleanup (911)					1.10	7.34	8.07	1.47
Booth #3 Total							39.92	7.28
Consolidated 1								
CN Valves	46	0.042	3.5	1.93			6.76	1.23
Cleanup (911)					0.40	7.34	2.94	0.54
Booth #4 Total							9.70	1.77
Consolidated 2								
CN Valves	106	0.042	3.5	4.45			15.58	2.84
Cleanup (911)					0.80	7.34	5.87	1.07
Booth #5 Total							21.45	3.91
Mobile								
Components	20	0.700	3.5	14.00			49.00	8.94
Cleanup (911)					1.10	7.34	8.07	1.47
Booth #6 Total							57.07	10.41
Facility Total				25.53	2.8		238.06	43.42

GE Oil Gas
Jacksonville, FL

Objective

Potential to Emit (PTE) is calculated by mass balance of PM in all materials.

Methodology and Data

Maximum coating and cleanup usage and part throughput rates were provided by GE engineers familiar with the coating lines. All material solids contents were obtained from manufacturer data sheets. Worst case coatings were assumed.

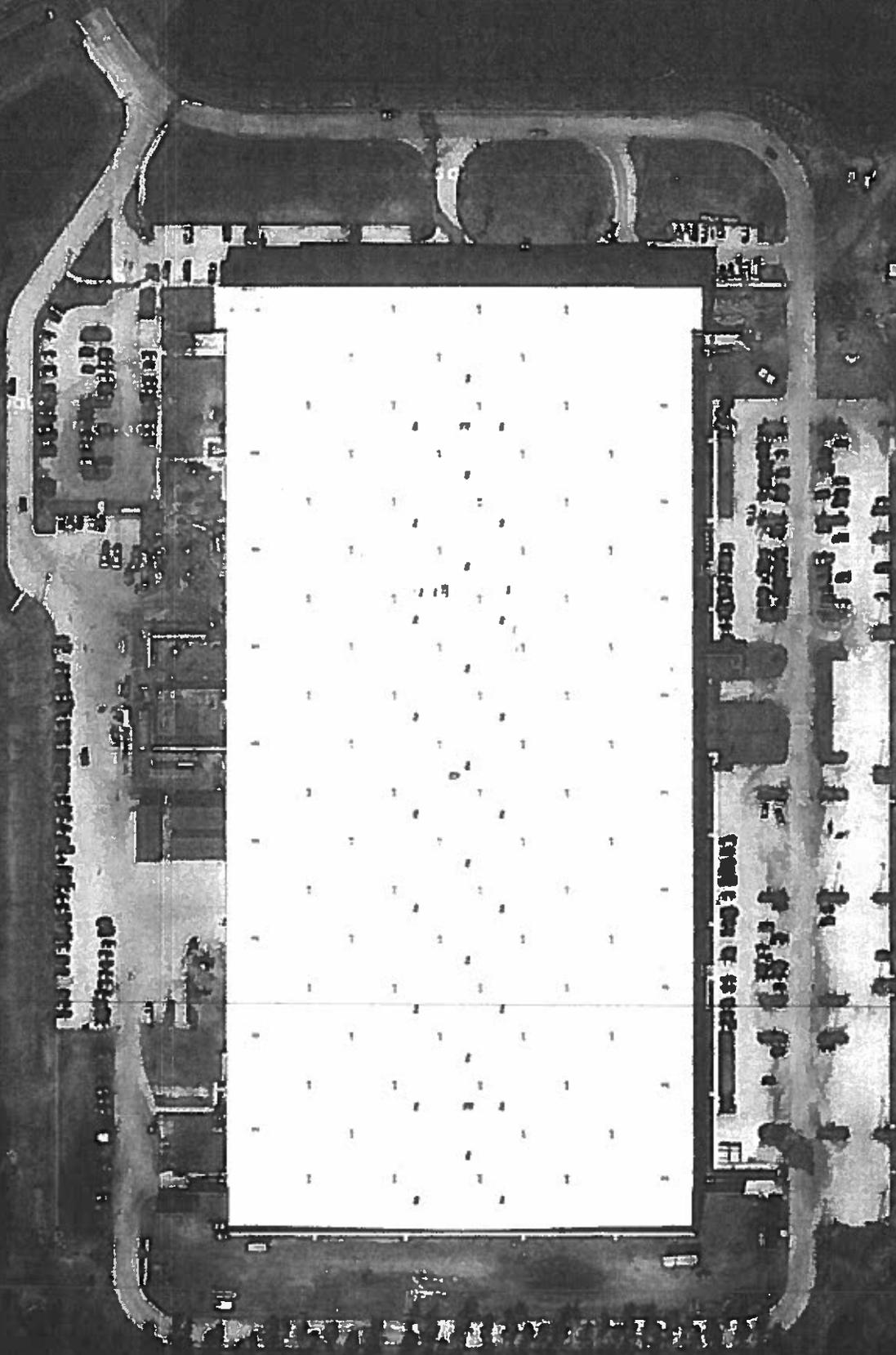
Emissions Based on Estimates of Usage by Booth and Worst-Case Solids Content									
Column Reference	A	B	C	D	E	F	G	H	H
Calculated Value	--	--	A x B	--	--	--	--	$D \times E \times F \times (1-F) \times (1-G)$	H X 365/2000
	Maximum Parts/Day	Coating: Gal/Part	Material Usage: Gal/Day	Coating Solids %	Coating Density lb/gal	Transfer Efficiency %	Filter Efficiency %	PM/PM10 Emissions lb/day	PM/PM10 Emissions ton/yr
Runners									
Mooney Valves	86	0.031	2.67	100%	11.27	30%	98%	0.42	0.08
Cleanup (911)			0.60	0%		0%	98%	0.00	0.00
Booth #1 Total								0.42	0.08
Repeaters									
Masoneilan Valves	108	0.042	4.54	100%	11.27	30%	98%	0.72	0.13
Becker Valves	13	0.333	4.33	100%	11.27	30%	98%	0.68	0.12
Cleanup (911)			1.10	0%		0%	98%	0.00	0.00
Booth #2a Total								1.40	0.25
Repeaters Cure									
Components	20	0.700	14.00	100%	11.27	30%	98%	2.21	0.40
Cleanup (911)			1.10	0%		0%	98%	0.00	0.00
Booth #2b Total								2.21	0.40
Strangers									
Strangers	13	0.700	9.10	100%	11.27	30%	98%	1.44	0.26
Cleanup (911)			1.10	0%		0%	98%	0.00	0.00
Booth #3 Total								1.44	0.26
Consolidated 1									
CN Valves	46	0.042	1.93	100%	11.27	30%	98%	0.30	0.06
Cleanup (911)			0.40	0%		0%	98%	0.00	0.00
Booth #4 Total								0.30	0.06
Consolidated 2									
CN Valves	106	0.042	4.45	100%	11.27	30%	98%	0.70	0.13
Cleanup (911)			0.80	0%		0%	98%	0.00	0.00
Booth #5 Total								0.70	0.13
Mobile									
Components	20	0.700	14.00	100%	11.27	30%	98%	2.21	0.40
Cleanup (911)			1.10	0%		0%	98%	0.00	0.00
Booth #6 Total								2.21	0.40
Facility Total								5.85	1.58

Attachment 2

Area Map

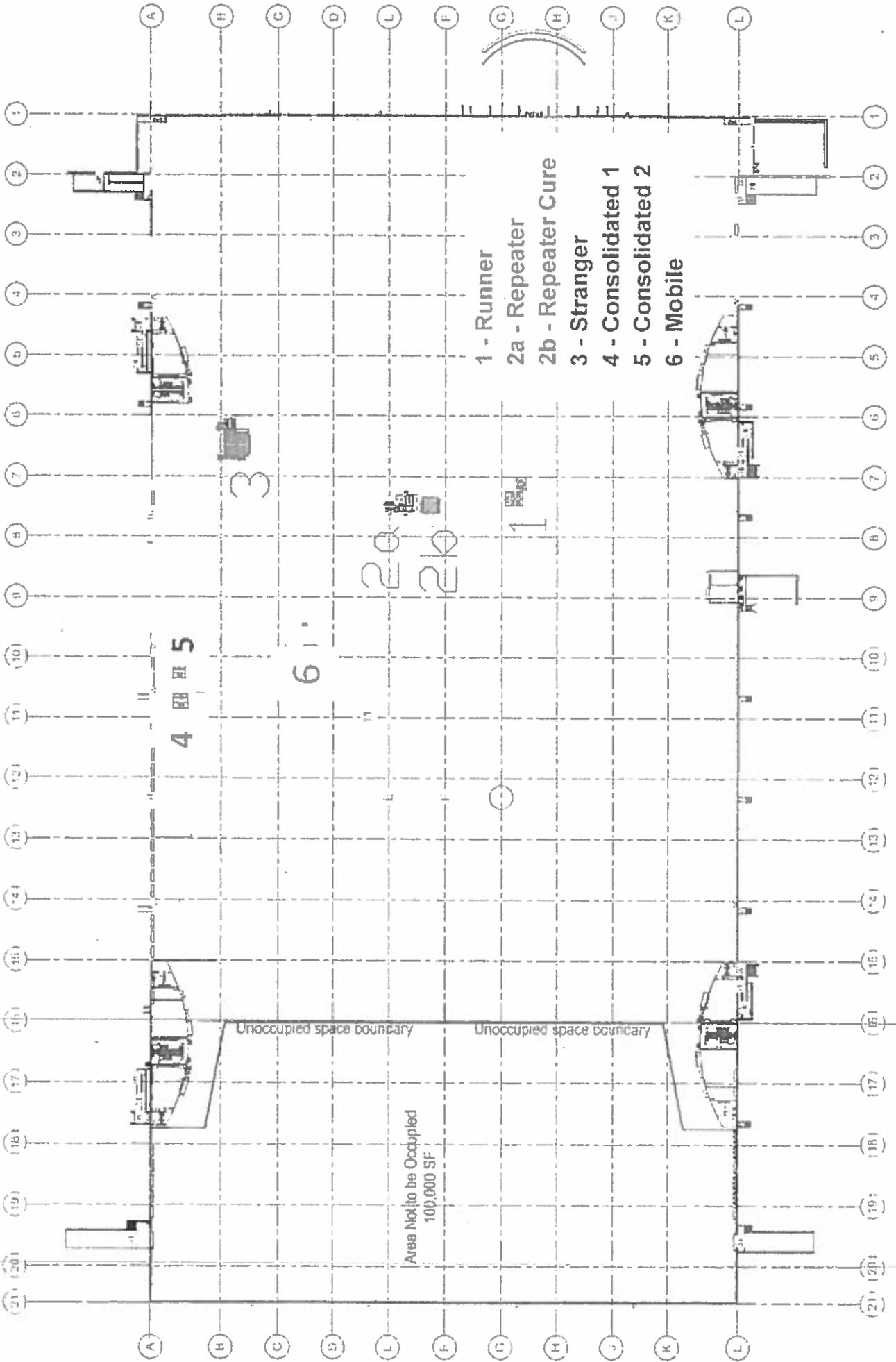
Normandy Blvd

228



Attachment 3

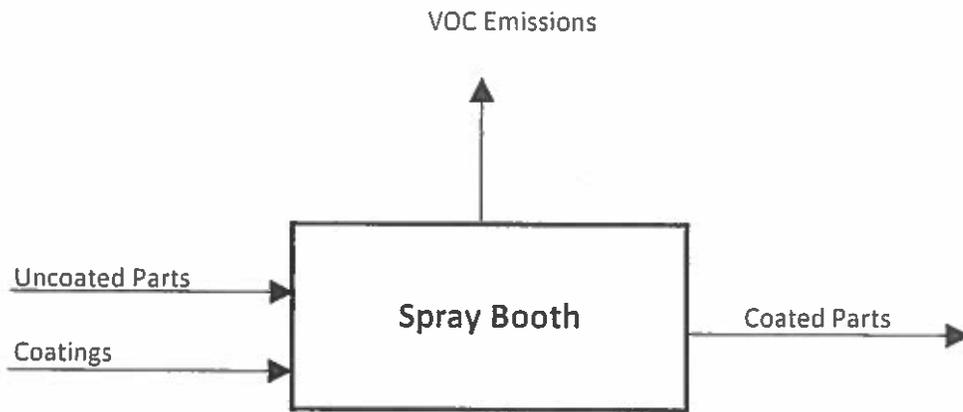
Facility Plot Plan



Attachment 4

Process Flow Diagram

**GE Oil Gas
Jacksonville, FL**



**Spray Booth
Process Flow Diagram**