

Standard Exemption No. 32406
Building 27 Paint Booth
April 1996

DATE: 10-10-97
TIME: 19:33:42

PERMIT APPLICATION SUMMARY

PAGE: 1

Exemption No. 32406

***GENERAL PERMIT INFORMATION

PERMIT: 32406 ENGR: BULLARD, KAREN M./
ISSUED TO: DEPARTMENT OF THE ARMY, CAMP STANLEY
SITE NAME: BLDG 27 PAINT BOOTH
OPERATING SCHEDULE: 24.0 HRS/DAY 7 DAYS/WK 52 WKS/YR
LAT: 29-40-35 LONG: 098-37-52 REGION: 13 COUNTY: BEXAR
NEAR CITY: BOERNE LOC: 25800 RALPH FAIR RD

GROUP: COAT ID:8G0841

***PERMIT/SITE CONTACT INFORMATION:

PERSON: LT. DEAN C. SCHMELLING ADDR1: 25800 RALPH FAIR ROAD
TITLE: POST COMMANDER ADDR2: BOERNE
CITY: BOERNE STATE: TX ZIP: 78006 PHONE: (210)221-7461

*** CONSTRUCTION ***

*** OPERATING ***

*** CONTINUANCE ***

TYPE APPL(C,S,X): (X) OPERATION START : NOTICE MAILED :
APPL RECD : 04-17-96 OPER APPL RECD : APPL RECD :
DEFIC LTR SNT : OPER APPL CMPLT : DEFIC LTR SNT :
SUPP INFO REQ : DISP(I,D): () SUPP INFO REQ :
SUPP INFO RECD : OPR TYPE(R,S) : () SUPP INFO RECD :
APPL CMPLT : ***** APPL CMPLT :
COMP LTR SNT : * * COMP LTR SNT :
PUB NTC SNT : * I= ISSUED D=DENIED * PUB NTC SNT :
PUB NTC PUB : * E=EXPIRED * PUB NTC PUB :
PUB HEAR (R,H) : () * C=CONST S=SPECIAL * PUB HEAR(R,H) : ()
CONST TYPE(C,X,S): (X) * X=EXEMPT R=OPER * DISP(I,D,E):() :
DISP (I) : 05-02-96 *****
CONST START DATE :

***EMISSIONS CHANGED :

***REMARKS:

***OTHER PERMIT DATES:

APP/PERMIT VOIDED:
APP ON HOLD UNTIL:
CONST STOPPED UNTIL:

REASON:
REASON:

VOID/HOLD CODES:

CR-COMPANY REQUEST
DD-DATA DELAY
RE-REISSUED

PD-PLT DISMANTLED

TI-TIME EXPIRED
TD-TECH DIFFICULTY
NR-NO RESPONSE

***PERMIT TYPES/STANDARDS:

NEW MAJ SOURCE:> 100 TPY:
MAJOR MODIFICATION:
NON-ATTAIN REVIEW:
INSIGNIFICANT EMISSIONS:
FUEL CONVERSION:

SIC: 9999
PORTABLE:
NSPS:
NESHAP:
TOXIC MATERIALS:

RELATED PERMITS: SUFFIX REASON
TACB: CHG LOC:
PSD-TX: CHG OWN:
STD EX NO.:

***AIR CONTAMINANT INFORMATION:

NAME CODE MAX ALLOWABLE RATE ACTUAL
LBS/HR TONS/YR TONS/YR

***ABATEMENT EQUIPMENT:

file

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

May 2, 1996

Colonel Dean C. Schmelling
Post Commander
DEPARTMENT OF THE ARMY,
CAMP STANLEY
25800 Ralph Fair Road
Boerne, Texas 78006

Re: Standard Exemption Registration
Nos. 32406, and 32407
Buildings 27, and 200 Paint Booths
Boerne, Bexar County
Account ID No. BG-0841-S

Dear Colonel Schmelling:

This is in response to your standard exemption registrations, Forms PI-7, concerning the proposed operation of spray paint booths in Boerne, Bexar County. We understand that you will operate these booths in conjunction with other storage activities at the same site.

After evaluation of the information which you have furnished, we have determined that your proposed operations are exempt from permitting procedures under Standard Exemption No. 75 if constructed and operated as described in your registration requests. This standard exemption was authorized by the Executive Director of the Texas Natural Resource Conservation Commission (TNRCC) pursuant to 30 TAC Section 116.211 (Regulation VI). A copy of the standard exemption in effect at the time of this registration is enclosed. You must operate in accordance with all requirements of the enclosed standard exemption.

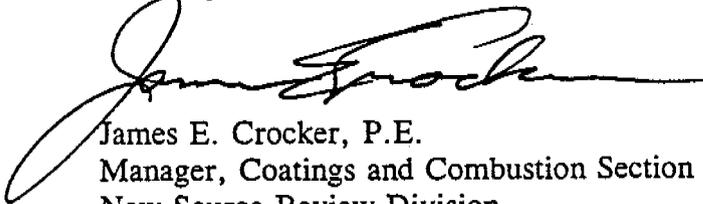
You are reminded that regardless of whether a permit is required, these facilities must be in compliance with all rules and regulations of the TNRCC and of the U.S. Environmental Protection Agency at all times.

Colonel Dean C. Schmelling
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May 2, 1996

Re: Permit Nos. 32406, and 32407

Your cooperation in this matter is appreciated. If you have any questions concerning this standard exemption, please contact Ms. Karen M. Bullard in the Office of Air Quality, New Source Review Division at (512) 239-6142.

Sincerely,



James E. Crocker, P.E.
Manager, Coatings and Combustion Section
New Source Review Division
Texas Natural Resource Conservation Commission

JC/KB/sl

Enclosure

cc: Mr. James Menke, Air Program Manager, San Antonio

Record Nos. 42869 and 42870

STANDARD EXEMPTION REVIEW SHEET

Standard Exemption No. 75 Review

Received by TNRCC: 4/17/96 by Engineer: 44/22/96
Claimant: DEPARTMENT OF THE ARMY, CAMP STANLEY
Account ID No.: BG-0841-S Project No.: 32407
Region: 13 County: Bexar
Project Overview: BLDG. 200 PAINT BOOTH

Initials: KBULLARD
Record No.: 42870
City: Boerne

- Is registration required?**
Form Submitted: None PI-7 Yes No
PI-8 PI-7(124)
- Is a site review required?**
If Yes: Received response from ___ on ___.
Approved: N/A Yes No
Yes No
- Is an NOV involved?** Unknown Yes No
If Yes: Does this claim resolve the NOV? N/A Yes No
If NOV is not resolved: Explain. Yes No
- Is this exemption claim for a facility or operation at a site with previously permitted facilities?** Yes No
If Yes: Do any Special Conditions address use of standard exemptions at this site? N/A Yes No
- Does this exemption modify a permitted facility?** Yes No
If Yes: Do Special Conditions preclude modification by standard exemption? N/A Yes No
If Yes: Does this standard exemption need to be incorporated into the next permit amendment or renewal? N/A Yes No
- Has sufficient information been provided to determine if:**
- §116.211 (25 TPY VOC, etc.) or more stringent emission requirements of the exemption are being satisfied?** Yes No
 - the facility or operation satisfies the conditions of the exemption?** Yes No

Engineer's Determination:

- X10 Insufficient information to determine if §116.211 and/or exemption requirements are satisfied.
 X10B/X10C §116.211 and/or exemption requirements are not satisfied.
 X1/X2 §116.211 and/or exemption requirements are satisfied (non-autobody).
 X14 Register; no checklist.
 X15/X16/X17 §116.211 and/or exemption requirements are satisfied (autobody).
 Other

Contact with claimant: Date: ___ Purpose: ___
Date: ___ Purpose: ___

Comments: Camp Stanley is registering two paint booths at the same site where they recently received permit 29466 for degreasing operations. Since they have gone through public notice at this site and they meet the requirements of Std. Ex. 75, the 116 checklist is not needed.

Engineer: Taren M. Bullard
Std. Ex. Coordinator: Craig Putz

Date: 3/2/96
Date: 5/2/96

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
REGISTRATION FORM FOR STANDARD EXEMPTIONS
FORM PI-7

I. Company Name Department of the Army, Camp Stanley
(Corporation, Company, Government Agency, Firm, etc.)
Mailing Address 25800 Ralph Fair Rd., Boerne, TX 78006
Individual Authorized to Act for Applicant: Name LTC Dean C. Schmelling Title Post Commander
Address 25800 Ralph Fair Rd., Boerne, TX 78006 Telephone (210) 231-7461

II. LOCATION OF EXEMPT FACILITY (Latitude and Longitude must be to the nearest second):
Name of Plant or Site Department of the Army, Camp Stanley
Street Address 25800 Ralph Fair Rd., Boerne, TX 78006
Nearest City Boerne County Bexar Latitude 29° 40' 35" Longitude 98° 37' 52"
SITE REQUIREMENTS: A. Submit a plot plan to scale of the property showing the location of plant boundaries, plant equipment, and surrounding area.
B. Furnish an area map with a scale showing the facility location relative to highways and towns.

III. TYPE OF FACILITY:
A. Applicable Standard Exemption Number(s) from TNRCC List Exemption Number 75
B. Name of Facility and Company's Facility Number _____
C. TNRCC Account Identification Number BC 03415
D. Previous Special Exemption or Permit Number _____
E. Operating Schedule: Hours/day 24 Days/week 7 Weeks/year 52
F. Proposed Start of Construction _____ (Date) Operation _____ (Date) 3 106
G. Permanent [] Portable []
H. Length of time at this site, if portable _____

IV. PROCESS INFORMATION
Description of Process: Prepare and attach a written description of the exempt process and applicable checklists (when available). The description must be in sufficient detail to indicate that the facility will conform to the specified exemption.

V. EMISSIONS DATA Furnish a description of the basis for emission rates including fugitives. (Calculations, emission factors, measurement, NSPS, etc.)

Emission Point Number	Name of Source	Name of Air Contaminant	Emission Rate of Each Air Contaminant			
			lb/hr		tons/yr	
			Gaseous	Particulate	Gaseous	Particulate
EPN 7	Bldg. 27 Paint Booth	VOC	5.38		2.80	
EPN 7	Bldg. 27 Paint Booth	Particulates		0.11		0.012

VI. A copy of the application is being sent to the Regional Office of the TNRCC: [] Yes [] No

VII.1. LTC Dean C. Schmelling Post Commander
(Name) (Title)
state that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption. The facility will operate in compliance with all Regulations of the Texas Natural Resource Conservation Commission and with Federal Environmental Protection Agency Regulations governing air pollution.
DATE 4/11/96 SIGNATURE [Signature]

INTRODUCTION

Camp Stanley Storage Activity (CSSA), Boerne, Texas is a subinstallation of the US Army Red River Depot (RRAD), located in Texarkana, Texas. The primary mission of CSSA is receipt, storage, and issuance of supplies, as well as quality assurance testing and maintenance of military weapons and ammunition. CSSA is located in northwestern Bexar County, approximately 19 miles northwest of downtown San Antonio (see area map). Bexar County is an attainment county. The Texas Natural Resource Conservation Commission (TNRCC) has issued an Air Quality Permit for the operation of a cold solvent cleaning facility to CSSA (permit no. 29466, account ID no. BG-0841-S). This report includes standard exemption registrations for spray paint booth operations (standard exemption 75) and soil remediation activities (standard exemptions 68 and 118) at CSSA. A plot plan of the entire installation showing all boundaries is provided in this report. All stationary emission sources are indicated on this plot plan, including exempt sources as well as permitted sources. Table IIA-1, following the map sleeves, presents the UTM coordinates and heights of buildings located in the vicinity of the permitted sources. For each building, the UTM coordinates shown represent the locations of the four corners of the building.

The exempt sources represented by this registration meet all requirement of 30 TAC 116.211 and their respective exemption requirements.

This standard exemption registration submittal includes sections 1 and 2 for spray paint booths located in building 200 and building 27, respectively. Also, the SWMU B-3 soil vapor extraction system (SVE) registration (Section 3). Each section includes all necessary data for determining the applicability of the standard exemption requirements.

BUILDING 27
EXEMPTION REGISTRATION

Section 2

Table of Contents

PI-7 Form

Process Description

Process Flow Diagrams

Emission Calculations

Supplemental Emissions Data for Building 27 Paint Booth

BUILDING 27 PAINT BOOTH

FORM PI-7

BUILDING 27 PAINT BOOTH

PROCESS DESCRIPTION

3 106

EPN 7 and FUG 2 - Building 27 Paint Booth

The paint booth at Building 27 is used primarily for coating flat-surface office equipment such as desks, bookshelves, tables, and cabinets. Items are coated in the main painting area of the booth utilizing an atomized air spray gun, aerosol application, brush application, or roller application depending on the requirements of a particular operation. VOC emissions from all coating operations and PM emissions from spray gun and aerosol coating overspray are vented through a particulate filter bank, which has a 99 percent particulate removal efficiency. A horizontal exhaust fan maintains air flow across the filter bank. Coated products are allowed to dry for at least five minutes inside the booth with the fan in operation before being removed from the booth. Brushes, rollers, and the spray gun used for coating are cleaned with various thinners inside the painting area of the booth with the fan in operation. Most emissions are released through EPN 7; however, some fugitive emissions arise from continued drying after coated items have been removed from the booth.

The paint booth at Building 27 meets the requirements of standard exemption 75. An overview of standard exemption 75 requirements and how the paint booth at building 27 complies with each applicable requirements as follows:

Building 27 Paint Booth Standard Exemption 75 Requirements

- 75(a) CSSA has met the limits of this exemption without the use of VOC or exempt solvent (non-VOC) control equipment.
- 75(b) CSSA building 27 paint booth includes only VOCs or non-VOCs and not metal spraying or metalizing (the deposition or spraying of molten metal onto a surface to form a coating).
- 75(c) CSSA building 27 paint booth complies with all VOC emission limitations (see emission calculations, and supplemental emissions data).
- 75(e) CSSA will maintained, in sufficient detail, records to demonstrate compliance with this standard exemption.
- 75(f) CSSA employs good housekeeping procedures to minimize fugitive emissions.
- 75(g) CSSA will not exceed 5% opacity from any emission point as determined by the United States Environmental Protection Agency Method 9 averaged over a 6 minute period except for those periods described in 30 TAC 111.111 (a) (1) (E) (Regulation I).
- 75(h) CSSA is located in Bexar County, an attainment county.

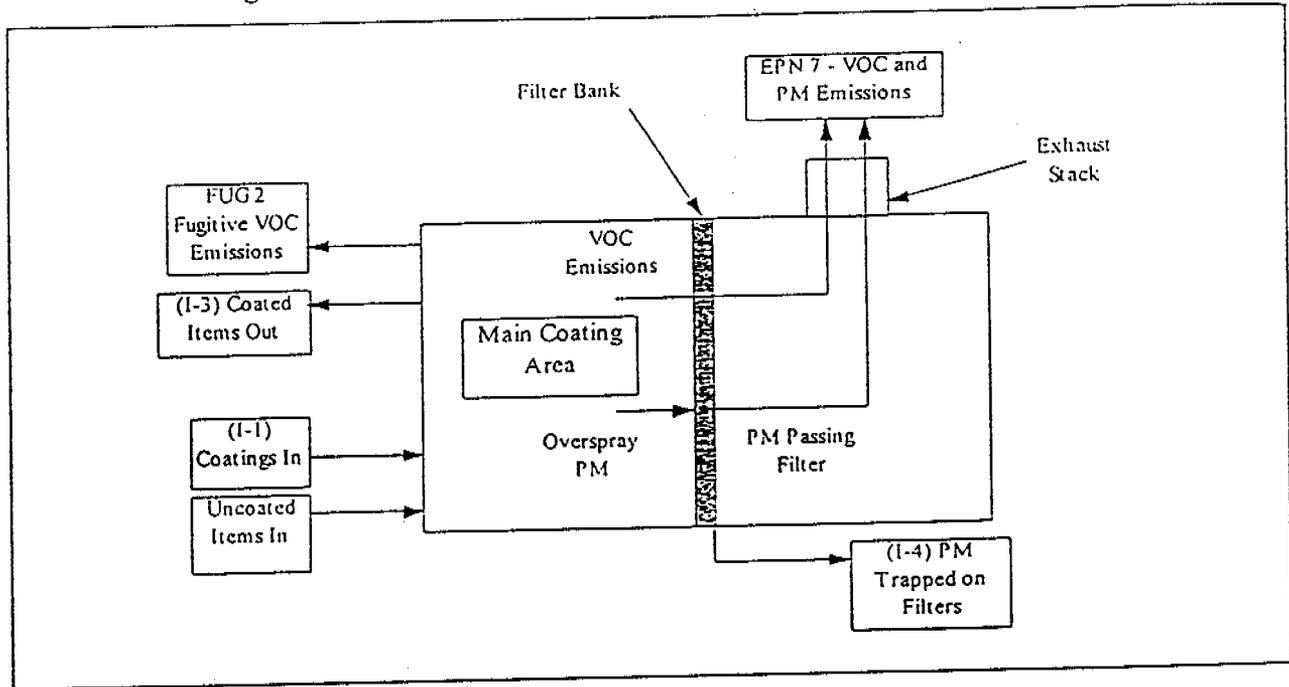
- 75(i) A form PI-7 for the paint booth in building 27 is included in this registration submittal.
- 75(j) CSSA operations conducted in building 27 spray booth has a ventilating velocity of 113 ft/min., particulate matter control efficiency of 99%, a face velocity greater than 150 ft/min., and vertical elevated stacks through which the spray booth emissions are exhausted at least 1.5 times the building height above grade.
- 75(k&l) Outdoor or non-enclosed painting operations occurring at CSSA will comply with all requirements identified by Standard Exemption 75(k) and 75(l).

BUILDING 27 PAINT BOOTH

PROCESS FLOW DIAGRAMS

PROCESS FLOW DIAGRAMS

Figure IV.1. Process Flow Diagram for Paint Booth - Building 27



BUILDING 27 PAINT BOOTH

EMISSION CALCULATIONS

8 106⁴

EMISSION CALCULATIONS

Paint Booth - Building 27 (EPN 7 and FUG 2)

The paint booth at Building 27 is used for coating of typical office equipment, including desks, tables, bookshelves and cabinets. Emissions from this booth are calculated following the calculation guidance provided in the TNRCC Technical Guidance Package for Coatings Sources: Spray Painting and Dip Coating Operations. The equations presented in the Technical Package have not been reprinted in this application, but sample calculations and spreadsheets are presented to demonstrate each calculation procedure.

Product Usage Rates and MSDSs. The names and maximum usage rates for the respective products used in the booth are presented in Table V.-b4 in Attachment V.-b

The booth does employ the use of an automatic, air-atomized spray gun, and all coatings applied with the spray gun are considered to be applied at the maximum rate of transfer of the spray gun (2 gal/hour). All annual usage rates, as well as hourly usage rates for aerosol and brush- and roller-applied coatings, are predicted maximums based on historical hourly and annual usage rates for applicable coating at the booth. Historical usage rates were determined by the normal operator of the booth and are considered to be conservative.

Emissions Assumptions. A summary of maximum hourly emissions for each product used in the booth is presented in Table V.-b2 in Attachment V.-b. A summary of annual emissions for each product is presented in Table V.-b3 in Attachment V.-b. The worksheets shown in Table V.-b4 of Attachment V.-b detail the calculation of both bulk and speciated emissions for each material used in the booth. Each material is presented in a separate worksheet.

Maximum hourly emissions and maximum annual emissions are calculated from the maximum hourly usage rate and maximum annual usage rate, respectively, for each coating. Procedures follow the guidelines established in the aforementioned TNRCC technical guidance package. The following assumptions and general procedures are used during the calculation emissions:

- (1) The solids content of each material is taken as the difference between the material density and the maximum VOC content of the material as listed on the product MSDS.
- (2) For all brush- and roller-applied materials, the percent overspray was assumed to be zero (0), implying a 100 percent transfer efficiency.
- (3) For coatings applied with the spray gun, the percent overspray is estimated at 55 percent using Table 232 from *Modern Pollution Control Technology, Volume 1*. This accounts for air atomized spraying on mostly flat surfaces with a some spraying of table leg type surfaces.
- (4) For aerosol-applied materials, the percent overspray is estimated at 55 percent using Table 232 from *Modern Pollution Control Technology, Volume 1*. Aerosol spraying was assumed to represent the air atomization method of spraying.
- (5) The filter efficiency of the filters in the booth is 99 percent.

- (6) Booth flashoff for each coating is estimated using Figure 655 from *Modern Pollution Control Technology, Volume 1*. Each item coated is assumed to dry inside the booth for a minimum of 5 minutes before being removed. The enamels used in the booth were determined to have a booth flashoff of 40 percent using evaporation curve 5 in Figure 655 for alkyds. Lacquers used in the booth were determined to have a booth flashoff of 91 percent using evaporation curve 1 for lacquers. The latex used in the booth is conservatively assumed to have the same booth flashoff as the enamels. Where applicable, the amounts of thinners used to thin enamels and lacquers are assumed to have the same booth flashoff as the coating in which they are mixed.
- (7) All PM emissions presented are assumed to be stack emissions and not fugitive emissions.
- (8) The thinner amounts used strictly for cleanup are assumed to have booth flashoffs of 100 percent since all cleanup is conducted inside the booth with the fan on.
- (9) The overall maximum hourly amount of emissions presented in Table VI.C-b2 reflect the largest single hourly emissions release from a discrete application (either coating or thinner cleanup)
- (10) The total annual emissions presented in Table VI.C-b3 reflect the sum of annual emissions from all applications (both coating and thinner cleanup).

Sample Calculations. The following section presents sample calculations of emissions from the paint booth in Building 27. Calculations are performed using the assumptions previously stated. The coating chosen is Enamel 3 - White Alkyd Enamel and Paint Thinner. The worksheet for this coating in Table V.C-b4 presents the chemical data for this coating. The procedure for calculating emissions for the thinner portion of the enamel is identical to the procedure for the coating portion

Total Hourly VOC Emissions:

$$\text{Total hourly VOC (lb/hr)} = \text{Max. Allowable Hourly Usage Rate (gal/hr)} \cdot \text{Max. VOC content (lb/gal)}$$

$$\text{Total hourly VOC} = 1.11 \text{ gal/hr} \cdot 3.03 \text{ lb/gal} = 3.36 \text{ lb/hr}$$

Hourly Fugitive VOC Emissions:

$$\text{Hourly Fugitive VOC (lb/hr)} = \text{Total hourly VOC (lb/hr)} \cdot \text{Transfer Efficiency} \cdot \text{Fugitive Flashoff}$$

$$\text{Hourly Fugitive VOC} = 3.36 \text{ lb/hr} \cdot 0.45 \cdot 0.60 = 0.907 \text{ lb/hr}$$

Hourly Booth VOC Emissions:

$$\text{Hourly Booth VOC (lb/hr)} = \text{Total VOC (lb/hr)} - \text{Fugitive VOC (lb/hr)}$$

$$\text{Hourly Booth VOC} = 3.36 \text{ lb/hr} - 0.907 \text{ lb/hr} = 2.45 \text{ lb/hr}$$

Hourly PM Emissions:

$$\text{Hourly PM (lb/hr)} = \text{Max. Allowable Usage Rate (gal/hr)} \cdot \text{Solids Cont. (lb/gal)} \cdot (1 - \text{Trans. Effic.}) \cdot (1 - \text{Filter Efficiency})$$

$$\text{Hourly PM} = 1.11 \text{ gal/hr} \cdot 7.8 \text{ lb/gal} \cdot (1 - .45) \cdot (1 - 0.99) = 0.048 \text{ lb/hr}$$

**SUPPLEMENTAL EMISSIONS DATA
FOR BUILDING 27 PAINT BOOTH**

TABLE 18
BUILDING 27 SPRAY BOOTH

Point Number (from Flow Diagram) EPN 7 (Figure V.1 Building 27 Paint Booth)		Annual Hours of Operation of this Booth 1,920 hours				
EXHAUST GAS STREAM CHARACTERISTICS						
Flow Rate (acfm)		Exhaust Stack			Building Height (ft)	Abatement Device Particulate Loading (lb/hr)
Design Maximum	Average Expected 1,086	Temperature °F Ambient	Height (ft) 30	Diameter (ft) 3.5	20	Inlet 99% eff. filters Outlet
TYPE OF COATING AND MAXIMUM RATE OF USE						
Type	Max. Rate of Use (lb/hr)	Max. Rate of Use (Tons/yr)		Volatile Portion (%weight)		
Lacquer	<u>See note (a)</u>	<u>See note (a)</u>		<u>See note (b)</u>		
Varnish						
Enamel	<u>See note (a)</u>	<u>See note (a)</u>		<u>See note (b)</u>		
Metal Primer						
Metal Spray						
Resin						
Sealer						
Shellac						
Stain						
Zinc Chromate						
Epoxy						
Polyurethane						
Other	<u>Latex - See note (a)</u>	<u>See note (a)</u>		<u>See note (b)</u>		
SOLVENT COMPOSITION AND RATE OF USE (INCLUDE THAT SUPPLIED WITH COATING)						
Chemical Composition of Volatiles & wt. (%)		Max. Rate of Use (lb/hr)		Max Rate of Use (ton/yr)		
<u>See note (b)</u>		<u>See note (a)</u>		<u>See note (a)</u>		
TYPE AND COST OF ABATEMENT DEVICE						
<input type="checkbox"/> Spray Chamber (water use gal/hr) _____		<input type="checkbox"/> Water Curtain (water use gal/hr)				
<input checked="" type="checkbox"/> Dry Filter Pads (No.) <u>18 (6)</u> (Size) <u>20"x20"x1"</u> (<u>20"x25"x1"</u>)		<input type="checkbox"/> Other (Explain) _____				
Capital Installed Cost \$ <u>N/A - Federal Facility</u>			Annual Operating Cost <u>SN/A - Federal Facility</u>			
METHOD OF SPRAYING		DESCRIPTION OF ITEMS TO BE COATED (SHAPE AND SIZE)				
<input checked="" type="checkbox"/> Air Atomization (HVLP) <input type="checkbox"/> Airless <input type="checkbox"/> Electrostatic <input type="checkbox"/> Disc <input type="checkbox"/> Airless <input type="checkbox"/> Air-Atomized <input checked="" type="checkbox"/> Other <u>Aerosol/Brush/Roller</u>		Items coated are primarily office furniture such as desks, tables, cabinets, bookshelves, etc. Items coated are the size and shape of typical office furniture. Coating is mostly flat-surface coating with some table/chair leg type coating.				

(a) Hourly and annual usage rates for materials in this booth are shown in table V.-b1 in attachment V.-b. Densities and other specific information are presented in the worksheets of Table V.-b4.

(b) Volatile contents of each material are presented in the worksheets of Table V.-b4 in Attachment V.-b.

Table V.-b1. Summary of Hourly And Annual Emission Rates from Building 27 Paint Booth

	Total Hourly VOC Emissions	Hourly Fugitive VOC Emissions	Hourly Booth VOC Emissions	Hourly PM Emissions
Maximum Hourly Emissions (lb/hr):	5.38	3.08	5.16	0.108
Total Annual Emissions (ton/yr):	2.80	0.56	2.24	0.012

Table V.-b2. Summary of Hourly Emission Rates from Building 27 Paint Booth

Coating Number	Coating Name	Application Type	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
ENAMELS						
Enamel 1	Black Alkyd Enamel with Thinner 1	Spray Gun	5.14	1.39	3.75	0.033
		Brush/Roller	5.14	3.08	2.05	0.000
Enamel 2	Black Alkyd Enamel with Thinner 2	Spray Gun	5.12	1.38	3.74	0.033
		Brush/Roller	5.12	3.07	2.05	0.000
Enamel 3	White Alkyd Enamel with Thinner 1	Spray Gun	4.30	1.16	3.14	0.048
		Brush/Roller	4.30	2.58	1.72	0.000
Enamel 4	White Alkyd Enamel with Thinner 2	Spray Gun	4.29	1.16	3.13	0.048
		Brush/Roller	4.29	2.57	1.71	0.000
Enamel 5	Orange Alkyd Enamel with Thinner 1	Spray Gun	4.29	1.16	3.13	0.032
		Brush/Roller	4.29	2.58	1.72	0.000
Enamel 6	Orange Alkyd Enamel with Thinner 2	Spray Gun	4.28	1.15	3.12	0.032
		Brush/Roller	4.28	2.57	1.71	0.000
Enamel 7	Blue Alkyd Enamel with Thinner 1	Spray Gun	4.21	1.14	3.08	0.038
		Brush/Roller	4.21	2.53	1.69	0.000
Enamel 8	Blue Alkyd Enamel with Thinner 2	Spray Gun	4.20	1.13	3.07	0.038
		Brush/Roller	4.20	2.52	1.68	0.000
Enamel 9	Yellow Alkyd Enamel with Thinner 1	Spray Gun	4.37	1.18	3.19	0.034
		Brush/Roller	4.37	2.62	1.75	0.000
Enamel 10	Yellow Alkyd Enamel with Thinner 2	Spray Gun	4.35	1.18	3.18	0.034
		Brush/Roller	4.35	2.61	1.74	0.000
Enamel 11	Gray Alkyd Enamel with Thinner 1	Spray Gun	4.28	1.16	3.13	0.038
		Brush/Roller	4.28	2.57	1.71	0.000
Enamel 12	Gray Alkyd Enamel with Thinner 2	Spray Gun	4.27	1.15	3.11	0.038
		Brush/Roller	4.27	2.56	1.71	0.000
LATEX						
Latex 1	Tinting White Latex	Spray Gun	2.52	0.68	1.84	0.108
		Brush Roller	3.78	2.27	1.51	0.000
LACQUERS						
Lacquer 1	Lusterless Lacquer with Thinner 3	Spray Gun	5.29	0.21	5.07	0.019
		Brush/Roller	5.29	0.48	4.82	0.000
Lacquer 2	Black Aerosol Lacquer	Aerosol Can	5.23	0.21	5.02	0.011
Lacquer 3	Orange Aerosol Lacquer	Aerosol Can	5.28	0.21	5.07	0.014
Lacquer 4	Fluor. Orange Aerosol Lacquer	Aerosol Can	5.38	0.22	5.16	0.014
Lacquer 5	Yellow Aerosol Lacquer	Aerosol Can	5.36	0.22	5.14	0.014
Lacquer 6	Green Aerosol Lacquer	Aerosol Can	5.25	0.21	5.04	0.013
Lacquer 7	Olive Green Aerosol Lacquer	Aerosol Can	5.32	0.22	5.10	0.014
Lacquer 8	Blue Aerosol Lacquer	Aerosol Can	5.33	0.22	5.11	0.014
THINNERS						
Thinner 1	Paint Thinner	Cleanup Only	5.04	0.00	5.04	0.000
Thinner 2	Enamel Thinner	Cleanup Only	4.95	0.00	4.95	0.000
Thinner 3	Dope and Lacquer Thinner	Cleanup Only	5.15	0.00	5.15	0.000
Maximum Hourly Emissions (lb/hr)*:			5.38	3.08	5.16	0.11

* Maximum hourly emissions reflect the maximum amount of emissions from any single coating or cleaning application.

Table V.-b3. Summary of Annual Emission Rates from Building 27 Paint Booth*

Coating Number	Coating Name	Application Type	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)							
ENAMELS Enamel 1	Black Alkyd Enamel with Thinner 1	Spray Gun	0.17	0.05	0.13	0.001							
		Brush/Roller	0.07	0.04	0.03	0.000							
Enamel 2	Black Alkyd Enamel with Thinner 2	Spray Gun	0.17	0.05	0.13	0.001							
		Brush/Roller	0.07	0.04	0.03	0.000							
Enamel 3	White Alkyd Enamel with Thinner 1	Spray Gun	0.15	0.04	0.11	0.002							
		Brush/Roller	0.06	0.03	0.02	0.000							
Enamel 4	White Alkyd Enamel with Thinner 2	Spray Gun	0.14	0.04	0.11	0.002							
		Brush/Roller	0.06	0.03	0.02	0.000							
Enamel 5	Orange Alkyd Enamel with Thinner 1	Spray Gun	0.14	0.04	0.11	0.001							
		Brush/Roller	0.06	0.03	0.02	0.000							
Enamel 6	Orange Alkyd Enamel with Thinner 2	Spray Gun	0.14	0.04	0.11	0.001							
		Brush/Roller	0.06	0.03	0.02	0.000							
Enamel 7	Blue Alkyd Enamel with Thinner 1	Spray Gun	0.14	0.04	0.10	0.001							
		Brush/Roller	0.06	0.03	0.02	0.000							
Enamel 8	Blue Alkyd Enamel with Thinner 2	Spray Gun	0.14	0.04	0.10	0.001							
		Brush/Roller	0.06	0.03	0.02	0.000							
Enamel 9	Yellow Alkyd Enamel with Thinner 1	Spray Gun	0.15	0.04	0.11	0.001							
		Brush/Roller	0.06	0.04	0.02	0.000							
Enamel 10	Yellow Alkyd Enamel with Thinner 2	Spray Gun	0.15	0.04	0.11	0.001							
		Brush/Roller	0.06	0.04	0.02	0.000							
Enamel 11	Gray Alkyd Enamel with Thinner 1	Spray Gun	0.14	0.04	0.11	0.001							
		Brush/Roller	0.06	0.03	0.02	0.000							
Enamel 12	Gray Alkyd Enamel with Thinner 2	Spray Gun	0.14	0.04	0.10	0.001							
		Brush/Roller	0.06	0.03	0.02	0.000							
LATEX Latex 1	Tinting White Latex	Spray Gun	0.08	0.02	0.06	0.003							
		Brush Roller	0.08	0.05	0.03	0.000							
LACQUERS Lacquer 1	Lusterless Lacquer with Thinner 3	Spray Gun	0.19	0.01	0.19	0.001							
		Brush/Roller	0.08	0.01	0.07	0.000							
Lacquer 2	Black Aerosol Lacquer	Aerosol Can	0.05	0.00	0.05	0.000							
Lacquer 3	Orange Aerosol Lacquer	Aerosol Can	0.05	0.00	0.05	0.000							
Lacquer 4	Fluor. Orange Aerosol Lacquer	Aerosol Can	0.05	0.00	0.05	0.000							
Lacquer 5	Yellow Aerosol Lacquer	Aerosol Can	0.05	0.00	0.05	0.000							
Lacquer 6	Green Aerosol Lacquer	Aerosol Can	0.05	0.00	0.05	0.000							
Lacquer 7	Olive Green Aerosol Lacquer	Aerosol Can	0.05	0.00	0.05	0.000							
Lacquer 8	Blue Aerosol Lacquer	Aerosol Can	0.05	0.00	0.05	0.000							
THINNERS													
							Thinner 1	Paint Thinner	Cleanup	0.21	0.00	0.21	0.000
							Thinner 2	Enamel Thinner	Cleanup	0.46	0.00	0.46	0.000
Thinner 3	Dope and Lacquer Thinner	Cleanup	0.10	0.00	0.10	0.000							
Total Annual Emissions (ton/yr):			2.80	0.56	2.24	0.012							

* Note that for enamels, each type of enamel can be used with either Thinner 1 or Thinner 2. Therefore, annual emissions consider the enamel/thinner combination (for each enamel) which results in the highest emissions. For example, Enamel 3 (White Alkyd Enamel with Thinner 1) has higher total emissions than Enamel 4 (White Alkyd Enamel with Thinner 2). Therefore, Enamel 3 is conservatively considered in the total annual emissions.

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 1 - Black Alkyd Enamel with Thinner 1 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Black Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-297-0591	None		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.110	0.806		
Density (lb/gal):	9.25	6.72		
Max. VOC Content (lb/gal):	3.78	6.72		
Solids Content (lb/gal):	5.47	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.27	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.06	0.01		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	4.20	1.13	3.06	0.033
Thinner:	0.94	0.25	0.69	0.000
Total:	5.14	1.39	3.75	0.033
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.14	0.04	0.10	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.17	0.05	0.13	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 1 - Black Alkyd Enamel with Thinner 1 - Brush/Roller Application

Application Type:	Brush/Roller:			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Black Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-297-0591	None		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.110	0.806		
Density (lb/gal):	9.25	6.72		
Max. VOC Content (lb/gal):	3.78	6.72		
Solids Content (lb/gal):	5.47	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.27	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	4.20	2.52	1.68	0.000
Thinner:	0.94	0.56	0.38	0.000
Total:	5.14	3.08	2.05	0.000
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.06	0.03	0.02	0.000
Thinner:	0.01	0.01	0.01	0.000
Total:	0.07	0.04	0.03	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 2 - Black Alkyd Enamel with Thinner 2 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Black Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-297-0591	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.110	0.792		
Density (lb/gal):	9.25	6.60		
Max. VOC Content (lb/gal):	3.78	6.60		
Solids Content (lb/gal):	5.47	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.27	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.06	0.01		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	4.20	1.13	3.06	0.033
Thinner:	0.92	0.25	0.67	0.000
Total:	5.12	1.38	3.74	0.033
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.14	0.04	0.10	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.17	0.05	0.13	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 2 - Black Alkyd Enamel with Thinner 2 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Black Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-297-0591	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.110	0.792		
Density (lb/gal):	9.25	6.60		
Max. VOC Content (lb/gal):	3.78	6.60		
Solids Content (lb/gal):	5.47	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.27	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	4.20	2.52	1.68	0.000
Thinner:	0.92	0.55	0.37	0.000
Total:	5.12	3.07	2.05	0.000
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.06	0.03	0.02	0.000
Thinner:	0.01	0.01	0.00	0.000
Total:	0.07	0.04	0.03	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 3 - White Alkyd Enamel with Thinner 1 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	White Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-664-4761	None		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.300	0.806		
Density (lb/gal):	10.83	6.72		
Max. VOC Content (lb/gal):	3.03	6.72		
Solids Content (lb/gal):	7.80	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	12.03	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.07	0.01		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.36	0.91	2.46	0.048
Thinner:	0.94	0.25	0.69	0.000
Total:	4.30	1.16	3.14	0.048
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.11	0.03	0.08	0.002
Thinner:	0.03	0.01	0.02	0.000
Total:	0.15	0.04	0.11	0.002

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 3 - White Alkyd Enamel with Thinner 1 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	White Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-664-4761	None		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.300	0.806		
Density (lb/gal):	10.83	6.72		
Max. VOC Content (lb/gal):	3.03	6.72		
Solids Content (lb/gal):	7.80	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	12.03	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.36	2.02	1.35	0.000
Thinner:	0.94	0.56	0.38	0.000
Total:	4.30	2.58	1.72	0.000
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.05	0.03	0.02	0.000
Thinner:	0.01	0.01	0.01	0.000
Total:	0.06	0.03	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 4 - White Alkyd Enamel with Thinner 2 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	White Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-664-4761	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.76	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.300	0.792		
Density (lb/gal):	10.83	6.60		
Max. VOC Content (lb/gal):	3.03	6.60		
Solids Content (lb/gal):	7.80	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	12.03	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.07	0.01		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.36	0.91	2.46	0.048
Thinner:	0.92	0.25	0.67	0.000
Total:	4.29	1.16	3.13	0.048
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.11	0.03	0.08	0.002
Thinner:	0.03	0.01	0.02	0.000
Total:	0.14	0.04	0.11	0.002

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 4 - White Alkyd Enamel with Thinner 2 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	White Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-664-4761	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.300	0.792		
Density (lb/gal):	10.83	6.60		
Max. VOC Content (lb/gal):	3.03	6.60		
Solids Content (lb/gal):	7.80	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	12.03	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.36	2.02	1.35	0.000
Thinner:	0.92	0.55	0.37	0.000
Total:	4.29	2.57	1.71	0.000
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.03	0.02	0.000
Thinner:	0.01	0.01	0.00	0.000
Total:	0.06	0.03	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 5 - Orange Alkyd Enamel with Thinner 1 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Orange Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-527-3201	None		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.000	0.806		
Density (lb/gal):	8.33	6.72		
Max. VOC Content (lb/gal):	3.02	6.72		
Solids Content (lb/gal):	5.31	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	9.25	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.05	0.01		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.35	0.91	2.45	0.032
Thinner:	0.94	0.25	0.69	0.000
Total:	4.29	1.16	3.13	0.032
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.11	0.03	0.08	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.14	0.04	0.11	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 5 - Orange Alkyd Enamel with Thinner 1 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Orange Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-527-3201	None		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.000	0.806		
Density (lb/gal):	8.33	6.72		
Max. VOC Content (lb/gal):	3.02	6.72		
Solids Content (lb/gal):	5.31	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	9.25	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.35	2.01	1.34	0.000
Thinner:	0.94	0.56	0.38	0.000
Total:	4.29	2.58	1.72	0.000
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.03	0.02	0.000
Thinner:	0.01	0.01	0.01	0.000
Total:	0.06	0.03	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 6 - Orange Alkyd Enamel with Thinner 2 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Orange Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-527-3201	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.000	0.792		
Density (lb/gal):	8.33	6.60		
Max. VOC Content (lb/gal):	3.02	6.60		
Solids Content (lb/gal):	5.31	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	9.25	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.05	0.01		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.35	0.91	2.45	0.032
Thinner:	0.92	0.25	0.67	0.000
Total:	4.28	1.15	3.12	0.032
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.11	0.03	0.08	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.14	0.04	0.11	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 6 - Orange Alkyd Enamel with Thinner 2 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Orange Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-527-3201	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.000	0.792		
Density (lb/gal):	8.33	6.60		
Max. VOC Content (lb/gal):	3.02	6.60		
Solids Content (lb/gal):	5.31	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	9.25	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.35	2.01	1.34	0.000
Thinner:	0.92	0.55	0.37	0.000
Total:	4.28	2.57	1.71	0.000
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.03	0.02	0.000
Thinner:	0.01	0.01	0.00	0.000
Total:	0.06	0.03	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 7 - Blue Alkyd Enamel with Thinner 1 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Blue Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-598-5929	None		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.100	0.806		
Density (lb/gal):	9.17	6.72		
Max. VOC Content (lb/gal):	2.95	6.72		
Solids Content (lb/gal):	6.22	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.18	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.06	0.01		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.27	0.88	2.39	0.038
Thinner:	0.94	0.25	0.69	0.000
Total:	4.21	1.14	3.08	0.038
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.11	0.03	0.08	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.14	0.04	0.10	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 7 - Blue Alkyd Enamel with Thinner 1 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Blue Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-598-5929	None		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.100	0.806		
Density (lb/gal):	9.17	6.72		
Max. VOC Content (lb/gal):	2.95	6.72		
Solids Content (lb/gal):	6.22	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.18	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.27	1.96	1.31	0.000
Thinner:	0.94	0.56	0.38	0.000
Total:	4.21	2.53	1.69	0.000
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.04	0.03	0.02	0.000
Thinner:	0.01	0.01	0.01	0.000
Total:	0.06	0.03	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 8 - Blue Alkyd Enamel with Thinner 2 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Blue Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-598-5929	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.100	0.792		
Density (lb/gal):	9.17	6.60		
Max. VOC Content (lb/gal):	2.95	6.60		
Solids Content (lb/gal):	6.22	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.18	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.05	0.01		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.27	0.88	2.39	0.038
Thinner:	0.92	0.25	0.67	0.000
Total:	4.20	1.13	3.07	0.038
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.11	0.03	0.08	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.14	0.04	0.10	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 8 - Blue Alkyd Enamel with Thinner 2 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Blue Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-598-5929	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.100	0.792		
Density (lb/gal):	9.17	6.60		
Max. VOC Content (lb/gal):	2.95	6.60		
Solids Content (lb/gal):	6.22	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.18	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.27	1.96	1.31	0.000
Thinner:	0.92	0.55	0.37	0.000
Total:	4.20	2.52	1.68	0.000
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.04	0.03	0.02	0.000
Thinner:	0.01	0.01	0.00	0.000
Total:	0.06	0.03	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 9 - Yellow Alkyd Enamel with Thinner 1 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Yellow Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-527-2045	None		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.046	0.806		
Density (lb/gal):	8.72	6.72		
Max. VOC Content (lb/gal):	3.09	6.72		
Solids Content (lb/gal):	5.63	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	9.68	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.05	0.01		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.43	0.93	2.50	0.034
Thinner:	0.94	0.25	0.69	0.000
Total:	4.37	1.18	3.19	0.034
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.12	0.03	0.08	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.15	0.04	0.11	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 9 - Yellow Alkyd Enamel with Thinner 1 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Yellow Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-527-2045	None		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.046	0.806		
Density (lb/gal):	8.72	6.72		
Max. VOC Content (lb/gal):	3.09	6.72		
Solids Content (lb/gal):	5.63	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	9.68	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.43	2.06	1.37	0.000
Thinner:	0.94	0.56	0.38	0.000
Total:	4.37	2.62	1.75	0.000
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.03	0.02	0.000
Thinner:	0.01	0.01	0.01	0.000
Total:	0.06	0.04	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 10 - Yellow Alkyd Enamel with Thinner 2 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Yellow Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-527-2045	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.046	0.792		
Density (lb/gal):	8.72	6.60		
Max. VOC Content (lb/gal):	3.09	6.60		
Solids Content (lb/gal):	5.63	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	9.68	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.05	0.01		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.43	0.93	2.50	0.034
Thinner:	0.92	0.25	0.67	0.000
Total:	4.35	1.18	3.18	0.034
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.12	0.03	0.08	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.15	0.04	0.11	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 10 - Yellow Alkyd Enamel with Thinner 2 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Yellow Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-527-2045	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.046	0.792		
Density (lb/gal):	8.72	6.60		
Max. VOC Content (lb/gal):	3.09	6.60		
Solids Content (lb/gal):	5.63	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	9.68	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.43	2.06	1.37	0.000
Thinner:	0.92	0.55	0.37	0.000
Total:	4.35	2.61	1.74	0.000
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.03	0.02	0.000
Thinner:	0.01	0.01	0.00	0.000
Total:	0.06	0.04	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 11 - Gray Alkyd Enamel with Thinner 1 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Gray Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-266-7731	None		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.100	0.806		
Density (lb/gal):	9.17	6.72		
Max. VOC Content (lb/gal):	3.01	6.72		
Solids Content (lb/gal):	6.16	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.18	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.06	0.01		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.34	0.90	2.44	0.038
Thinner:	0.94	0.25	0.69	0.000
Total:	4.28	1.16	3.13	0.038
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.11	0.03	0.08	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.14	0.04	0.11	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 11 - Gray Alkyd Enamel with Thinner 1 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Gray Alkyd Enamel	Paint Thinner (Thinner 1)		
National Stock Number:	8010-00-286-7731	None		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.100	0.806		
Density (lb/gal):	9.17	6.72		
Max. VOC Content (lb/gal):	3.01	6.72		
Solids Content (lb/gal):	6.16	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.16	0.94		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	3.34	2.00	1.34	0.000
Thinner:	0.94	0.56	0.38	0.000
Total:	4.28	2.57	1.71	0.000
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.03	0.02	0.000
Thinner:	0.01	0.01	0.01	0.000
Total:	0.06	0.03	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 12 - Gray Alkyd Enamel with Thinner 2 - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	84.38			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Gray Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-286-7731	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	75.00	9.38		
Specific Gravity:	1.100	0.792		
Density (lb/gal):	9.17	6.60		
Max. VOC Content (lb/gal):	3.01	6.60		
Solids Content (lb/gal):	6.16	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.18	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.06	0.01		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.34	0.90	2.44	0.038
Thinner:	0.92	0.25	0.67	0.000
Total:	4.27	1.15	3.11	0.038
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.11	0.03	0.08	0.001
Thinner:	0.03	0.01	0.02	0.000
Total:	0.14	0.04	0.10	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Enamel 12 - Gray Alkyd Enamel with Thinner 2 - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	1.25			
Total Max. Hourly Application Rate (gal/hr):	1.13			
Total Max. Annual Application Rate (gal/yr):	33.75			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Gray Alkyd Enamel	Enamel Thinner (Thinner 2)		
National Stock Number:	8010-00-286-7731	8010-00-558-7027		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	1.11	0.14		
Annual Use Rate (gal/yr):	30.00	3.75		
Specific Gravity:	1.100	0.792		
Density (lb/gal):	9.17	6.60		
Max. VOC Content (lb/gal):	3.01	6.60		
Solids Content (lb/gal):	6.16	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	40.00	40.00		
Fugitive Flashoff (%):	60.00	60.00		
Generic Short Term VOC Rate (wt% lb/hr):	10.18	0.92		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.34	2.00	1.34	0.000
Thinner:	0.92	0.55	0.37	0.000
Total:	4.27	2.56	1.71	0.000
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.05	0.03	0.02	0.000
Thinner:	0.01	0.01	0.00	0.000
Total:	0.06	0.03	0.02	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 1 - Lustreless Lacquer with Thinner 3 - Spray Gun Application

Application Type:	Spray Gun			
Max. Allowable Application Rate (gal/hr)	1.00			
Max. Hourly Application Rate (gal/hr):	2.00			
Maximum Annual Application Rate (gal/yr):	73.13			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Lustreless Lacquer	Lacquer Thinner		
National Stock Number:	8010-00-111-8353	8010-00-160-5788		
Max. Hourly Usage Rate (gal/hr):	1.78	0.22		
Max. Allowable Usage Rate (gal/hr)	0.89	0.11		
Annual Use Rate (gal/yr):	65.00	8.13		
Specific Gravity:	1.080	0.824		
Density (lb/gal):	9.00	6.87		
Max. VOC Content (lb/gal):	5.10	6.87		
Solids Content (lb/gal):	3.90	0.00		
Percent Overspray (%):	55.00	55.00		
Transfer Efficiency (%):	45.00	45.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	91.00	91.00		
Fugitive Flashoff (%):	9.00	9.00		
Generic Short Term VOC Rate (wt% lb/hr):	8.00	0.76		
Generic Short Term PM Rate (wt% lb/hr):	0.04	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	4.53	0.18	4.35	0.02
Thinner:	0.76	0.03	0.72	0.00
Total:	5.29	0.21	5.07	0.019
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.17	0.01	0.16	0.001
Thinner:	0.03	0.00	0.03	0.000
Total:	0.19	0.01	0.19	0.001

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 1 - Lustreless Lacquer with Thinner 3 - Brush/Roller Application

Application Type:	Brush/Roller			
Max. Allowable Application Rate (gal/hr)	1.00			
Max. Hourly Application Rate (gal/hr):	1.13			
Maximum Annual Application Rate (gal/yr):	29.25			
Mix Ratio (Thinner:Coating):	1:8			
	Coating	Thinner		
Name:	Lustreless Lacquer	Lacquer Thinner		
National Stock Number:	8010-00-111-8353	8010-00-160-5788		
Max. Hourly Usage Rate (gal/hr):	1.00	0.13		
Max. Allowable Usage Rate (gal/hr)	0.89	0.11		
Annual Use Rate (gal/yr):	25.00	3.25		
Specific Gravity:	1.080	0.824		
Density (lb/gal):	9.00	6.87		
Max. VOC Content (lb/gal):	5.10	6.87		
Solids Content (lb/gal):	3.90	0.00		
Percent Overspray (%):	0.00	0.00		
Transfer Efficiency (%):	100.00	100.00		
Filter Efficiency (%):	99.00	99.00		
Booth Flashoff (%):	91.00	91.00		
Fugitive Flashoff (%):	9.00	9.00		
Generic Short Term VOC Rate (wt% lb/hr):	8.01	0.76		
Generic Short Term PM Rate (wt% lb/hr):	0.00	0.00		
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	4.54	0.41	4.13	0.00
Thinner:	0.76	0.07	0.69	0.00
Total:	5.29	0.48	4.82	0.000
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.07	0.01	0.06	0.000
Thinner:	0.01	0.00	0.01	0.000
Total:	0.08	0.01	0.07	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 2 - Black Gloss Aerosol Lacquer - Aerosol Application

Name:	Black Gloss Aerosol Lacquer			
National Stock Number:	8010-00-290-6984			
Application Type:	Aerosol			
Max. Hourly Usage Rate (gal/hr):	0.40			
Max. Allowable Usage Rate (gal/hr):	1.00			
Annual Use Rate (gal/yr):	18.75			
Specific Gravity:	0.867			
Density (lb/gal):	7.23			
Max. VOC Content (lb/gal):	5.23			
Solids Content (lb/gal):	2.00			
Percent Overspray (%):	55.00			
Transfer Efficiency (%):	45.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	91.00			
Fugitive Flashoff (%):	9.00			
Generic Short Term VOC Rate (wt% lb/hr):	7.23			
Generic Short Term PM Rate (wt% lb/hr):	0.04			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	5.23	0.21	5.02	0.011
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.00	0.05	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 3 - Orange Aerosol Lacquer - Aerosol Application

Name:	Orange Aerosol Lacquer			
National Stock Number:	8010-00-721-9479			
Application Type:	Aerosol			
Max. Hourly Usage Rate (gal/hr)	0.40			
Max. Allowable Usage Rate (gal/hr)	1.00			
Annual Use Rate (gal/yr):	18.75			
Specific Gravity:	0.933			
Density (lb/gal):	7.78			
Max. VOC Content (lb/gal):	5.28			
Solids Content (lb/gal):	2.50			
Percent Overspray (%):	55.00			
Transfer Efficiency (%):	45.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	91.00			
Fugitive Flashoff (%):	9.00			
Generic Short Term VOC Rate (wt% lb/hr):	7.78			
Generic Short Term PM Rate (wt% lb/hr):	0.04			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	5.28	0.21	5.07	0.014
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.00	0.05	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 4 - Fluorescent Orange Aerosol Lacquer - Aerosol Application

Name:	Fluorescent Orange Aerosol Lacquer			
National Stock Number:	8010-00-958-8148			
Application Type:	Aerosol			
Max. Hourly Usage Rate (gal/hr):	0.40			
Max. Allowable Usage Rate (gal/hr)	1.00			
Annual Use Rate (gal/yr):	18.75			
Specific Gravity:	0.961			
Density (lb/gal):	8.01			
Max. VOC Content (lb/gal):	5.38			
Solids Content (lb/gal):	2.63			
Percent Overspray (%):	55.00			
Transfer Efficiency (%):	45.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	91.00			
Fugitive Flashoff (%):	9.00			
Generic Short Term VOC Rate (wt% lb/hr):	8.01			
Generic Short Term PM Rate (wt% lb/hr):	0.04			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	5.38	0.22	5.16	0.014
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.00	0.05	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 5 - Yellow Aerosol Lacquer - Aerosol Application

Name:	Yellow Aerosol Lacquer			
National Stock Number:	8010-00-721-9744			
Application Type:	Aerosol			
Max. Hourly Usage Rate (gal/hr):	0.40			
Max. Allowable Usage Rate (gal/hr)	1.00			
Annual Use Rate (gal/yr):	18.75			
Specific Gravity:	0.956			
Density (lb/gal):	7.97			
Max. VOC Content (lb/gal):	5.36			
Solids Content (lb/gal):	2.61			
Percent Overspray (%):	55.00			
Transfer Efficiency (%):	45.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	91.00			
Fugitive Flashoff (%):	9.00			
Generic Short Term VOC Rate (wt% lb/hr):	7.97			
Generic Short Term PM Rate (wt% lb/hr):	0.04			
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	5.36	0.22	5.14	0.014
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.05	0.00	0.05	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 6 - Green Aerosol Lacquer - Aerosol Application

Name:	Green Aerosol Lacquer			
National Stock Number:	8010-00-141-2951			
Application Type:	Aerosol			
Max. Hourly Usage Rate (gal/hr):	0.40			
Max. Allowable Usage Rate (gal/hr):	1.00			
Annual Use Rate (gal/yr):	18.75			
Specific Gravity:	0.924			
Density (lb/gal):	7.70			
Max. VOC Content (lb/gal):	5.25			
Solids Content (lb/gal):	2.45			
Percent Overspray (%):	55.00			
Transfer Efficiency (%):	45.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	91.00			
Fugitive Flashoff (%):	9.00			
Generic Short Term VOC Rate (wt% lb/hr):	7.70			
Generic Short Term PM Rate (wt% lb/hr):	0.04			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	5.25	0.21	5.04	0.013
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.00	0.05	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 7 - Olive Green Aerosol Lacquer - Aerosol Application

Name:	Olive Green Aerosol Lacquer			
National Stock Number:	8010-00-584-3149			
Application Type:	Aerosol			
Max. Hourly Usage Rate (gal/hr):	0.40			
Max. Allowable Usage Rate (gal/hr):	1.00			
Annual Use Rate (gal/yr):	18.75			
Specific Gravity:	0.943			
Density (lb/gal):	7.86			
Max. VOC Content (lb/gal):	5.32			
Solids Content (lb/gal):	2.54			
Percent Overspray (%):	55.00			
Transfer Efficiency (%):	45.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	91.00			
Fugitive Flashoff (%):	9.00			
Generic Short Term VOC Rate (wt% lb/hr):	7.86			
Generic Short Term PM Rate (wt% lb/hr):	0.04			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	5.32	0.22	5.10	0.014
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.00	0.05	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Lacquer 8 - Blue Aerosol Lacquer - Aerosol Application

Name:	Blue Aerosol Lacquer			
National Stock Number:	8010-00-721-9746			
Application Type:	Aerosol			
Max. Hourly Usage Rate (gal/hr):	0.40			
Max. Allowable Usage Rate (gal/hr)	1.00			
Annual Use Rate (gal/yr):	18.75			
Specific Gravity:	0.945			
Density (lb/gal):	7.88			
Max. VOC Content (lb/gal):	5.33			
Solids Content (lb/gal):	2.55			
Percent Overspray (%):	55.00			
Transfer Efficiency (%):	45.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	91.00			
Fugitive Flashoff (%):	9.00			
Generic Short Term VOC Rate (wt% lb/hr):	7.88			
Generic Short Term PM Rate (wt% lb/hr):	0.04			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	5.33	0.22	5.11	0.014
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.05	0.00	0.05	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Latex 1 - Flat Tinting White Latex - Spray Gun Application

Application Type:	Spray Gun			
Total Max. Allowable Application Rate (gal/hr):	2.00			
Total Max. Hourly Application Rate (gal/hr):	2.00			
Total Max. Annual Application Rate (gal/yr):	120.00			
Mix Ratio (Thinner:Coating):	Not thinned			
Name:	Flat Tinting White Latex			
National Stock Number:	8010-00-F00-7172			
Max. Hourly Usage Rate (gal/hr):	2.00			
Max. Allowable Usage Rate (gal/hr):	2.00			
Annual Use Rate (gal/yr):	120.00			
Specific Gravity:	1.327			
Density (lb/gal):	11.06			
Max. VOC Content (lb/gal):	1.26			
Solids Content (lb/gal):	9.80			
Percent Overspray (%):	55.00			
Transfer Efficiency (%):	45.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	40.00			
Fugitive Flashoff (%):	60.00			
Generic Short Term VOC Rate (wt% lb/hr):	22.12			
Generic Short Term PM Rate (wt% lb/hr):	0.12			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Coating:	2.52	0.68	1.84	0.108
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Coating:	0.08	0.02	0.06	0.003

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Latex 1 - Flat Tinting White Latex - Brush/Roller Application

Application Type:	Brush/Roller			
Total Max. Allowable Application Rate (gal/hr)	3.00			
Total Max. Hourly Application Rate (gal/hr):	3.00			
Total Max. Annual Application Rate (gal/yr):	130.00			
Mix Ratio (Thinner:Coating):	Not thinned			
Name:	Flat Tinting White Latex			
National Stock Number:	8010-00-F00-7172			
Max. Hourly Usage Rate (gal/hr):	3.00			
Max. Allowable Usage Rate (gal/hr)	3.00			
Annual Use Rate (gal/yr):	130.00			
Specific Gravity:	1.327			
Density (lb/gal):	11.06			
Max. VOC Content (lb/gal):	1.26			
Solids Content (lb/gal):	9.80			
Percent Overspray (%):	0.00			
Transfer Efficiency (%):	100.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	40.00			
Fugitive Flashoff (%):	60.00			
Generic Short Term VOC Rate (wt% lb/hr):	33.18			
Generic Short Term PM Rate (wt% lb/hr):	0.00			
HOURLY EMISSIONS:	Total	Hourly	Hourly	Hourly
	Hourly VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Coating:	3.78	2.27	1.51	0.000
ANNUAL EMISSIONS:	Total	Annual	Annual	Annual
	Annual VOC	Fugitive VOC	Booth VOC	PM
	Emissions	Emissions	Emissions	Emissions
	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)
Coating:	0.08	0.05	0.03	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
Thinner 1 - Paint Thinner - Cleanup Only

Name:	Paint Thinner			
National Stock Number:	None (Manufacturer is Startex)			
Application Type:	Cleanup of Brushes/Rollers/Spray Gun*			
Max. Hourly Usage Rate (gal/hr):	2.65			
Max. Allowable Usage Rate (gal/hr):	0.75			
Annual Use Rate (gal/yr):	62.00			
Specific Gravity:	0.806			
Density (lb/gal):	6.72			
Max. VOC Content (lb/gal):	6.72			
Solids Content (lb/gal):	0.00			
Percent Overspray (%):	0.00			
Transfer Efficiency (%):	100.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	100.00	All cleaning is done within booth		
Fugitive Flashoff (%):	0.00			
Generic Short Term VOC Rate (wt% lb/hr):	5.04			
Generic Short Term PM Rate (wt% lb/hr):	0.00			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Thinner:	5.04	0.00	5.04	0.00
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Thinner:	0.21	0.00	0.21	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Thinner 2 - Enamel Thinner - Cleanup Only

Name:	Synthetic Resin Enamel Thinner		
National Stock Number:	8010-00-160-5788		
Application Type:	Cleanup of Brushes/ Rollers/Spray Gun*		
Max. Hourly Usage Rate (gal/hr):	1.65		
Max. Allowable Usage Rate (gal/hr)	0.75		
Annual Use Rate (gal/yr):	139.00		
Specific Gravity:	0.792		
Density (lb/gal):	6.60		
Max. VOC Content (lb/gal):	6.60		
Solids Content (lb/gal):	0.00		
Percent Overspray (%):	0.00		
Transfer Efficiency (%):	100.00		
Filter Efficiency (%):	99.00		
Booth Flashoff (%):	100.00	All cleanings done within booth	
Fugitive Flashoff (%):	0.00		
Generic Short Term VOC Rate (wt% lb/hr):	4.95		
Generic Short Term PM Rate (wt% lb/hr):	0.00		

HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Thinner:	4.95	0.00	4.95	0.00
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Thinner:	0.46	0.00	0.46	0.000

Table V.-b4. Emissions From Building 27 Paint Booth Materials
 Thinner 3 - Dope and Lacquer Thinner - Cleanup Only

Name:	Dope and Lacquer Thinner			
National Stock Number:	8010-00-160-5788			
Application Type:	Cleanup of brushes/rollers/spray gun*			
Max. Hourly Usage Rate (gal/hr):	1.65			
Max. Allowable Usage Rate (gal/hr)	0.75			
Annual Use Rate (gal/yr):	29.00			
Specific Gravity:	0.824			
Density (lb/gal):	6.87			
Max. VOC Content (lb/gal):	6.87			
Solids Content (lb/gal):	0.00			
Percent Overspray (%):	0.00			
Transfer Efficiency (%):	100.00			
Filter Efficiency (%):	99.00			
Booth Flashoff (%):	100.00	All cleaning is done within booth		
Fugitive Flashoff (%):	0.00			
Generic Short Term VOC Rate (wt% lb/hr):	5.15			
Generic Short Term PM Rate (wt% lb/hr):	0.00			
HOURLY EMISSIONS:	Total Hourly VOC Emissions (lb/hr)	Hourly Fugitive VOC Emissions (lb/hr)	Hourly Booth VOC Emissions (lb/hr)	Hourly PM Emissions (lb/hr)
Thinner:	5.15	0.00	5.15	0.00
ANNUAL EMISSIONS:	Total Annual VOC Emissions (ton/yr)	Annual Fugitive VOC Emissions (ton/yr)	Annual Booth VOC Emissions (ton/yr)	Annual PM Emissions (ton/yr)
Thinner:	0.10	0.00	0.10	0.000