

Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Commissioner*  
Richard A. Hyde, P.E., *Executive Director*



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
*Protecting Texas by Reducing and Preventing Pollution*

January 24, 2014

MR BRIAN DOSA  
DIRECTOR OF PUBLIC WORKS (IMHD-PW)  
US DEPARTMENT OF THE ARMY  
4612 ENGINEER DR  
FORT HOOD TX 76544-5055

Re: Permit Amendment Application  
Permit Number: 24538  
Use of Aerosol Spray Materials  
Fort Hood, Bell County  
Regulated Entity Number: RN101612083  
Customer Reference Number: CN600126262

Dear Mr. Dosa:

The executive director has made a preliminary decision on the above-referenced application. In accordance with Title 30 Texas Administrative Code § 39.419(b), you are now required to publish Notice of Application and Preliminary Decision. You must provide a copy of this preliminary decision letter with the draft permit at the public place referenced in the public notice.

If you have any questions, please call Mr. Craig Richardson at (512) 239-1309, or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

A handwritten signature in cursive script that reads "Rebecca Partee".

Rebecca Partee, Manager  
Combustion / Coatings New Source Review Permits Section  
Air Permits Division

RP/cr

Enclosure

cc: Air Section Manager, Region 9, Waco  
Mr. Tom Bianca, Consultant, TRC Solutions, Harrisburg, PA

Project Number: 187810

## Special Conditions

Permit Number 24538

1. This permit authorizes surface coating operations at Fort Hood located on U.S. Highway 190, Bell/Coryell County. This permit covers only those sources of emissions listed in the table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits in the table. It does not cover the facilities authorized under Permits by Rule as listed on Attachment 1, nor does it cover the planned maintenance, startup and shutdown activities associated with the fuel storage tanks listed thereon. **(2/14)**
2. All equipment except aerosol cans that has the potential to emit air contaminants shall be identified and marked in a conspicuous location to correspond with the site plot plan and emission point numbers (EPN) on the maximum allowable emission rates table (MAERT). **(2/14)**

### Emission Limitations

3. Opacity of exhausted emissions shall not exceed five percent. This determination shall be made first by observing for visible emissions over a five-minute period while the facilities are in operation. Observations shall be made at least 15 feet and no more than 0.25 mile from the booth or building emission points. If visible emissions are observed from the stacks, then opacity shall be determined by Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. As an alternative, the presence of visible emissions and, if required, the percentage of opacity may be determined using a computer-based photographic analysis system in accordance with the U.S. Environmental Protection Agency (EPA) Alternate Method o82 procedures. The camera and software shall be certified by EPA. Contributions from uncombined water shall not be included in determining compliance with this condition. If opacity exceeds five percent, corrective action to reduce the opacity shall be taken promptly and documented within one week of first observation. Observations shall be performed and recorded quarterly. **(5/12)**
4. There shall be no visible fugitive emissions from aerosol can spray. This determination shall be made by observing for visible emissions over at least a five-minute period while aerosol can spraying is ongoing using 40 CFR Part 60, Appendix A, Test Method 22. Observations shall be made along the aerosol can usage area boundary line nearest to the source of the fugitive emissions. Contributions from uncombined water shall not be included in determining compliance with this condition. Observations shall be performed and recorded quarterly. If visible emissions are observed crossing the boundary line, identification of the source and cause of the visible emissions shall be made within 24 hours and documented. Corrective action to eliminate the visible emissions crossing the boundary line shall be taken promptly and documented within one

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week of observation. **(2/14)**

5. Emissions shall be controlled such that they do not cause nuisance conditions, as defined in Title 30 Texas Administrative Code (30 TAC) §101.4. Additional controls or other corrective measures may be required if determined to be necessary by the Waco Regional Office of the Texas Commission on Environmental Quality (TCEQ).
6. Title 40 CFR Part 63, Subpart GG (National Emission Standards for Aerospace Manufacturing and Rework Facilities) applies to the Building 7013 facilities due to Environmental Protection Agency's once-in, always-in policy, even though the facilities are not a major source of hazardous air pollutants (HAP). **(11/09)**

## Operational Limitations

7. High-volume, low-pressure spray guns, laminar airflow-pressure feed spray guns, or equivalent transfer efficiency application equipment shall be employed in all spray painting with the exception of aerosol cans. **(11/09)**
8. Fuel for all paint booth intake air pre-heaters shall be pipeline-quality, sweet natural gas. **(11/09)**
9. All booths, except the Building 7013 paint booth, shall be equipped with dry filters which arrest at least 99 percent of the particulate matter (PM) vented through them. The Building 7013 booth shall be equipped with a dry filter system capable of arresting at least 98 percent of the PM vented through it. Building 7013 and Building 88027 booths shall have monitoring devices to measure pressure differential across the exhaust filters. The pressure differential across the Building 7013 booth filters shall be maintained as recommended by the filter manufacturer during booth operation and shall be recorded at least once per day. The pressure differential across the Building 88027 booths filters shall be maintained between 0.08 and 0.30 inches water column during painting operations and recorded at least once per day. All the pressure differential monitors shall be calibrated at least once annually and be accurate within  $\pm 0.5$  inch water column. All filters shall be serviced as recommended by the manufacturer to maintain the stipulated capture efficiencies. **(5/12)**
10. The minimum heights above ground level for paint booth exhaust stack discharge points shall be as follows:

Building 40001 38 feet  
Building 32023 36 feet  
Building 9576 36 feet

Building 7013 58.6 feet  
Building 13065 52 feet  
Building 11057 44.75 feet

Building 88027 45feet

All exhaust stacks shall have no restrictions or obstructions to their vertical discharge points. **(5/12)**

11. Minimum in-booth drying times for painted vehicles/equipment/aircraft shall be 30 minutes for the booth in Building 40001; 45 minutes for the booths in Buildings 32023, 9576, 88027, 13065, and 11057; and 8 hours for the booth in Building 7013. **(5/12)**
12. Operation of Building 88027 paint booth heaters shall be limited to no more than two at any time. **(5/12)**

**Material Usage Flexibility (5/12)**

13. Coatings and solvents different than those previously represented that meet all of the following sub-conditions are allowed.
  - A. There is no overall increase in the annual emission rates for all contaminant categories on the MAERT.
  - B. The new materials shall serve the same basic function, and the emissions shall be from the same location as the emissions from the current materials.
  - C. All the ingredients of the new material are known, i.e. the weight percentages of the ingredients add to 100 percent or more.
  - D. Any air contaminant ingredient in the new material is exempt from Special Condition No. 13E if:
    - (1) It is emitted at a rate and has a short-term Effects Screening Level (ESL) and an annual ESL as stated in the following table; or

Emission Rate (lbs/hr)	Short-term ESL ( $\mu\text{g}/\text{m}^3$ )	Annual ESL ( $\mu\text{g}/\text{m}^3$ )
$\leq 0.04$	$\geq 2 \ \& \ < 500$	$\geq 0.2 \ \text{and} \ < 50$
$\leq 0.10$	$\geq 500 \ \& \ < 3,500$	$\geq 50 \ \& \ < 350$
$\leq 0.40$	$\geq 3,500$	$\geq 350$

- (2) It has a true vapor pressure at 68 degrees Fahrenheit ( $^{\circ}\text{F}$ ) of less than 0.01 mm Hg, and it is not sprayed.

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- E. For all other new or increased air contaminants in the new material, the following procedure shall be completed to determine if the short-term impacts are acceptable.
- (1) Determine the emission rate of each air contaminant ingredient including emissions of the same air contaminant from currently authorized materials that may be emitted at the same time from each emission point/emission point group.
  - (2) Multiply the emission rate of the air contaminant by the unit impact multiplier for each emission point/emission point group from the following table to determine the off-property impact Ground Level Concentration (GLC) for each emission point.

Emission Point/Grouping Number	Unit Impacts ( $\mu\text{g}/\text{m}^3$ per lb/hr)
40001-3-1, 40001-3-2, 40001-3-3, 40001-3-4, 40001-3-5 & 40001-3-6	6.87
32023-1-1 & 32023-1-2	9.07
9576-1-1 & 9576-1-2	53.11
88027-1-1, 88027-1-2, 88027-2-1, 88027-2-2, 88027-3-1, 88027-3-2, 88027-4-1, 88027-4-2, 88027-5-1 & 88027-5-2	14.29
88027-1-F, 88027-2-F, 88027-3-F, 88027-4-F & 88027-5-F	19.55
7013A-1, 7013A-2, 7013A-3 & 7013A-4	11.12
7013A-1-F	24.05
13065-1-1 & 13065-1-2	15.33
11057-1A	5.77
AERO-HAA01	166.89
AERO-HAA02	23.77
AERO-CTE03 & AERO-DPW14	18.17
AERO-CTE04	32.17
AERO-CTE05	8.15
AERO-CTW06 & AERO-DPW15	388.30
AERO-CTW07	8.98
AERO-CTW08	2.75
AERO-DOL09	12.10

AERO-FHW11	13.22
AERO-DS212	21.52
AERO-DS213	126.55

**(2/14)**

- (3) Sum the impacts from each emission point/emission point group to determine a total short-term off-property impact (Total  $GLC_{SHORT}$ ) for the new or increased air contaminant.
- (4) Compare the total off-property impact to the short-term ESL for the air contaminant as follows.

$$Total\ GLC_{SHORT} \leq ESL_{SHORT}$$

Where:

Total  $GLC_{SHORT}$  = the sum of the short-term GLCs from each emission point.

$ESL_{SHORT}$  = the short-term ESL of the new or increased ingredient air contaminant from the most current ESL list published by the TCEQ or as specifically derived by TCEQ Toxicology Division. The ESL shall be obtained in writing prior to the use of the new or increased air contaminant.

- (5) Multiply the Total  $GLC_{SHORT}$  by 0.08 to determine an annual off-property impact ( $GLC_{ANNUAL}$ ) for the new or increased air contaminant.
- (6) Compare the annual off-property impact to the annual ESL for the air contaminant as follows.

$$GLC_{ANNUAL} \leq ESL_{ANNUAL}$$

Where:

$ESL_{ANNUAL}$  = the annual ESL of the new or increased ingredient air contaminant from the most current ESL list published by the TCEQ or as specifically derived by TCEQ Toxicology Division.

**National Security Emergency Conditions**

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14. Special Condition Nos. 11, 12, and 13, and the MAERT may temporarily be exceeded in the event of a national security emergency, when the need for rapid response on the part of permittee makes it impractical to meet the procedural requirements for amending this permit. This exclusion may be invoked: **(5/12)**
  - A. During emergencies that require physical or operational changes to the facilities that would trigger a permit amendment.
  - B. When failure to invoke this national security exclusion could hinder the ability of permittee to comply with Presidential or Department of Defense Directives in a timely manner because of the time periods and/or public notice requirements in obtaining an amendment.
15. The following conditions shall be met by permittee whenever the national security exclusion of Special Condition No. 14 is invoked:
  - A. As soon as practicable, but no later than seven calendar days since invoking the conditions of Special Condition No. 14, permittee shall notify in writing the TCEQ Waco Regional Office and the TCEQ Austin Office of Air, Air Permits Division of the use of this condition.
  - B. If permittee seeks to rely on the temporary national security emergency exclusion for longer than 30 calendar days from the date of notice in Special Condition No. 15A, the responsible official or duly authorized representative shall seek authorization from the TCEQ Waco Regional Office and the TCEQ Air Permits Division in Austin. The authorization to continue use of the conditions of Special Condition No. 14 shall be required for each consecutive 30-day period following the initial notification date in Special Condition No. 15A.
  - C. As soon as practicable, but no later than seven calendar days after the use of the conditions of Special Condition No. 14 are no longer needed, permittee shall notify in writing the TCEQ Waco Regional Office and the TCEQ Austin Office of Air, Air Permits Division that the use of the temporary national security emergency exclusion has ceased.
  - D. As soon as practicable, but no later than 45 calendar days after the date of notification in Special Condition No. 15C, permittee shall provide a written report to the TCEQ Waco Regional Office and the TCEQ Austin Office of Air, Air Permits Division that describes the reasons for relying on the exclusion, the emission points affected, the amount of increased emissions, and other information needed to determine the nature and extent to which the source exceeded the MAERT.

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- E. (1) Permittee need not submit an application for amendment to the TCEQ under Special Condition No. 14 if the physical or operational changes to the source resulted only in temporary modification; that is, a modification that lasts no longer than the period of national security emergency or 180 days. **(11/09)**
- (2) As soon as practicable, but no later than 45 calendar days after the date of notification in Special Condition No. 15C, permittee shall submit an application for permit amendment in the event that the physical or operational changes made at the source in response to the national security emergency are not temporary and last more than 180 days. **(11/09)**

## Recordkeeping

- 16. In addition to the requirements of General Condition No. 7, the following documentation and records shall be maintained and used to demonstrate compliance with Special Condition Nos. 3, 4, 9, 12, 13 and the MAERT: **(5/12)**
  - A. Material Safety Data Sheets or Air Quality Data Sheets for all materials with potential to emit airborne contaminants.
  - B. Records of substitution of materials that show how Special Condition No. 13 is satisfied and the date that the substitution occurred.
  - C. Manufacturer's documentation of the PM arrestance efficiency of the spray booth filters. **(5/12)**
  - D. Records of pressure drop readings and pressure differential monitor calibrations for the paint booths in Buildings 7013 and 88027. **(5/12)**
  - E. Records of manual visible emissions/opacity observations, and for the photographic method, photo records and analysis results plus documentation of EPA certification of camera and software as required by EPA Alternate Method 082. Also, records of corrective action taken to reduce opacity. **(5/12)**
  - F. The following data shall be used to produce a monthly summary that shows the pound per hour (lb/hr), pound per month (lb/mo), and annual (tons/yr) volatile organic compound (VOC), exempt solvent (ES), PM, PM<sub>10</sub>, PM<sub>2.5</sub>, ammonia, and HAP (lb/mo and tons/yr only) emission rates for each paint booth emission point/emission point grouping and aerosol can area on the MAERT: **(2/14)**

- (1) Monthly usage records of coatings and solvents. Monthly usage records of coatings and solvents shall be determined by inventory tracking or purchase records.
- (2) Daily records of hours of operation of each paint booth and aerosol can use. **(2/14)**

G. Monthly Summary.

- (1) First, monthly emission rates (lb/mo) for VOC, ES, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, ammonia, and HAP shall be calculated as follows:

$$lb/mo = (U_1 * X_1 + U_2 * X_2 + U_3 * X_3 + \dots + U_n * X_n) * Y_{booth/fug/can/PM}$$

Where,

$U_1, U_2, U_3, \dots, U_n$  - monthly usage records for the various coatings or solvents used in gallons per month

$X_1, X_2, X_3, \dots, X_n$  - VOC, ES, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, ammonia, and HAP content of the various coatings or solvents used in pounds per gallon

$Y_{booth}$  - transfer efficiency × booth flash-off percent + overspray percent

$Y_{fug}$  - transfer efficiency × fugitive flash-off percent

$Y_{can}$  - 100 percent for aerosol cans **(2/14)**

$Y_{PM}$  - (1 - transfer efficiency) × (1 - filter efficiency) × (1 - fallout for PM, PM<sub>10</sub>, PM<sub>2.5</sub>) **(2/14)**

- (2) Next, hourly emission rates (lb/hr) for VOC, ES, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, and ammonia shall be calculated as follows: **(2/14)**

$$lb/hr = lb/mo(as\ calculated\ above) / H_m$$

Where,

$H_m$  - sum of daily hours of operation of the paint booth(s) or usage of aerosol cans during the month in hours

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(3) Annual emission rates for VOC, ES, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, ammonia and HAP shall be calculated by adding the pounds per month calculated in (1) above to the sum of the pounds per month for the previous 11 months and dividing the sum by 2,000 pounds per ton. **(2/14)**

H. A monthly summary shall be produced that shows annual emission rates for the air contaminants from each paint booth heater emission point/emission point grouping in tons per year for the rolling 12 previous months. **(5/12)**

All records shall be maintained in hard copy or electronic format for a period of five years from the date the records were generated and be made available to the TCEQ upon request. The five year record retention requirement does not apply to records generated before May 2012. **(5/12)**

## Pollution Prevention

17. All surface coatings and solvents shall be stored in closed containers when not in use. **(5/12)**
18. All spray equipment cleaning shall be performed in paint booths with the ventilator fan in operation.
19. All waste paint, paint scrapings, solvents, and cleanup rags shall be stored in sealed containers until properly removed from the site.
20. All coating and solvent spills shall be cleaned up immediately using appropriate procedures, and the associated waste materials shall be stored in sealed containers until properly removed from the site. **(5/12)**
21. Paint booth filters shall be removed and disposed of in a manner that minimizes trapped PM from escaping into the atmosphere.
22. Used paint and aerosol cans shall be processed through a can crusher prior to disposal. **(2/14)**

Date:

## Attachment 1 to Special Conditions

Permit Number 24538

Facility/Source	PBR/SE	Registration
Engine Flush Operations	41	N/A (Claim)
Aircraft Wipe Cleaning and Coating Touchup	§106.433	N/A (Claim)
Aircraft Coating Touchup	§106.433	N/A (Claim)
Aircraft Wipe Cleaning	124	N/A (Claim)
Smokeless Gas Flare	§106.261	102853
Abrasive Cleaning Booth , Building 7013	§106.452	107747
Soldering, Brazing, Welding Equipment	§106.227	N/A (Claim)
Hand-Held and Manually Operated Machines	§106.265	N/A (Claim)
Comfort Heating Units	§106.102	N/A (Claim)
Closed Landfill	§106.534	N/A (Claim)
Boilers 9, 10, and 11	§106.183	N/A (Claim)
Wood Shops, Buildings 731, 4216, and 4313	§106.231	N/A (Claim)
Metal De-burring Tumbler, Building 88036	§106.313	N/A (Claim)
Petroleum Storage Tanks	§106.412	N/A (Claim)
Used Oil and Off-Spec Fuel Storage Tanks	§106.472	N/A (Claim)
Fuel Tanker Trucks Loading and Unloading	§106.473	N/A (Claim)
Spray Paint Booth, Building 1156	§106.433	24533
Fuel Storage and Dispensing, Building 88008	14, 51, 86, & 106	24583
Composite Repair , Building 88024	113	30861
Spray Paint Booth, Building 4273	§106.433	37677
Screen Printing, Building 4207	§106.418	37678
Soil Remediation	§§106.533 & 262	41479
Non-enclosed Spray Painting, Building 4615	§106.433	42507
Two Paint Booths, Buildings 88037 and 32040, and 433 Degreasing Units	§106.433 & §106.454	50528
Solvent Distillation/Reclamation Unit	§106.261	52124
Dry Parts Cleaning Oven	§106.495	52888
55 Emergency Generators and 57 Water Cooling Towers	§106.511 & §106.371	54052
Surface Coating	§106.433	70014
Asbestos Brake Repair and Welding,	§106.261 &	70022

**Attachment 1 to Special Conditions**

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Buildings 11057 and 40060	§106.262	
Fuel Tanker Cleaning Machine	§§106.183 & 262	76961
Aerosol Can Crusher, Building 1345	§§106.261 & 262	77594
Can Crusher, Building 1345	§§106.261 & 262	98846
Engine Test Cells	§106.263	79646
Rock Crusher	§106.142	79669
Small Arms Safety Certification Unit	§§106.261 & 262	81233
Fluorescent Bulb Crusher, Building 1345	§106.262	81875
Fluorescent Bulb Crusher, Building 1345	§106.262	83515

Date

DRAFT

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 24538

This table lists the maximum allowable emission rates and all sources of air contaminants covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

### Air Contaminants Data

Emission Point No.	Source Name (FIN)	Air Contaminant Name (1)	Emission Rates (2)	
			lbs/hour	TPY (3)
40001-3-1, 40001-3-2, 40001-3-3, 40001-3-4, 40001-3-5, and 40001-3-6	Building 40001 Paint Booth 3 (SC002)	VOC	8.58	22.44
		PM	0.02	0.03
40001-F	Building 40001 Flashoff	VOC (4)	0.80	10.79
40001-3-7	Building 40001 Paint Booth 3 Intake Air Pre-heater	VOC (5)	0.04	0.16
		PM (5)	0.05	0.22
		NO <sub>x</sub> (5)	0.66	2.87
		CO (5)	0.55	2.41
		SO <sub>2</sub> (5)	<0.01	0.02
32023-1-1 and 32023-1-2	Building 32023 Paint Booth (SC001)	VOC	5.00	15.30
		PM	0.01	0.03
32023-1-F	Building 32023 Flashoff	VOC (4)	0.30	6.52
9576-1-1 and 9576-1-2	Building 9576 Paint Booth (SC013)	VOC	4.60	14.32
		PM	0.01	0.02
9576-1-F	Building 9576 Flashoff	VOC (4)	0.20	5.55
88027-1-1 and 88027-1-2	Building 88027 Paint Booth 1 (SC004)	VOC	12.04	3.79
		Exempt Solvent	9.23	4.15
		PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	<0.01

**Emission Sources - Maximum Allowable Emission Rates**

Emission Point No.	Source Name (FIN)	Air Contaminant Name (1)	Emission Rates (2)	
			lbs/hour	TPY (3)
88027-2-1 and 88027-2-2	Building 88027 Paint Booth 2 (SC005)	VOC	12.04	3.79
		Exempt Solvent	9.23	4.15
		PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	<0.01
88027-3-1 and 88027-3-2	Building 88027 Paint Booth 3 (SC006)	VOC	12.04	3.79
		Exempt Solvent	9.23	4.15
		PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	<0.01
88027-4-1 and 88027-4-2	Building 88027 Paint Booth 4 (SC007)	VOC	12.04	3.79
		Exempt Solvent	9.23	4.15
		PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	<0.01
88027-5-1 and 88027-5-2	Building 88027 Paint Booth 5 (SC020)	VOC	12.04	3.79
		Exempt Solvent	9.23	4.15
		PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	<0.01
88027-1-F, 88027-2-F, 88027-3-F, 88027-4-F, and 88027-5-F	Building 88027 Flashoff	VOC (4)	3.25	8.15
		Exempt Solvent (4)	2.45	8.90
88027-1-1, 88027-1-2, 88027-2-1, 88027-2-2, 88027-3-1, 88027-3-2, 88027-4-1, 88027-4-2, 88027-5-1, and 88027-5-2	Building 88027 Booth Heater s 1 (2.07 MMBtu/hr), 2 (2.46 MMBtu/hr), 3 (1.98 MMBtu/hr), 4(2.96 MMBtu/hr, and 5 (5.227 MMBtu/hr)	VOC (5)	0.04	0.19
		PM <sub>10</sub> /PM <sub>2.5</sub> (5)	0.06	0.27
		NO <sub>x</sub> (5)	0.80	3.52
		CO (5)	0.67	2.95
		SO <sub>2</sub> (5)	<0.01	0.02

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name (FIN)	Air Contaminant Name (1)	Emission Rates (2)	
			lbs/hour	TPY (3)
7013A-1, 7013A-2, 7013A-3, and 7013A-4	Building 7013 Paint Booth and Two Heaters (6.834 MMBtu/hr (SC003))	VOC	12.37	24.11
		Exempt Solvent	13.20	13.16
		PM	0.01	0.02
		VOC (5)	0.04	0.16
		PM (5)	0.05	0.22
		NO <sub>x</sub> (5)	0.21	0.94
		CO (5)	0.56	2.47
		SO <sub>2</sub> (5)	<0.01	0.02
7013A-1-F	Building 7013A Flashoff	VOC (4)	0.45	2.93
13065-1-1 and 13065-1-2	Building 13065 Paint Booth 1 (SC009)	VOC	4.60	14.32
		PM	0.01	0.02
13065-1-F	Building 13065 Flashoff	VOC (4)	0.30	5.55
13065-2	Building 13065 Paint Booth Heater	VOC (5)	0.02	0.08
		PM (5)	0.04	0.16
		NO <sub>x</sub> (5)	0.31	1.34
		CO (5)	0.07	0.29
		SO <sub>2</sub> (5)	<0.01	0.01
11057-1A	Building 11057 Paint Booth (SC017)	VOC	2.60	4.45
		PM	0.01	0.01
11057-F	Building 11057 Flashoff	VOC (4)	0.20	1.73

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name (FIN)	Air Contaminant Name (1)	Emission Rates (2)	
			lbs/hour	TPY (3)
11057-1B	Building 11057 Paint Booth Heater	VOC (5)	<0.01	0.01
		PM (5)	<0.01	0.02
		NO <sub>x</sub> (5)	0.04	0.18
		CO (5)	<0.01	0.04
		SO <sub>2</sub> (5)	<0.01	0.01
AERO-HAA01	Hood Army Airfield 01 Aerosol Can Spray	VOC (4)	1.37	0.20
		Exempt Solvent (4)	1.12	0.26
		PM (4)	0.08	0.01
		PM <sub>10</sub> (4)	0.03	<0.01
		PM <sub>2.5</sub> (4)	<0.01	<0.01
AERO-HAA02	Hood Army Airfield 02 Aerosol Can Spray	VOC (4)	1.80	0.27
		Exempt Solvent (4)	1.40	0.34
		PM (4)	0.11	0.02
		PM <sub>10</sub> (4)	0.03	0.01
		PM <sub>2.5</sub> (4)	0.01	<0.01
AERO-CTE03	East Cantonment 01 Aerosol Can Spray	VOC (4)	14.61	2.46
		Exempt Solvent (4)	14.89	3.55
		PM (4)	1.01	0.18
		PM <sub>10</sub> (4)	0.32	0.06
		PM <sub>2.5</sub> (4)	0.05	0.01
		Ammonia (4)	0.01	0.04

**Emission Sources - Maximum Allowable Emission Rates**

Emission Point No.	Source Name (FIN)	Air Contaminant Name (1)	Emission Rates (2)	
			lbs/hour	TPY (3)
AERO-CTE04	East Cantonment 02 Aerosol Can Spray	VOC (4)	18.07	3.02
		Exempt Solvent (4)	18.33	4.37
		PM (4)	1.09	0.22
		PM <sub>10</sub> (4)	0.34	0.07
		PM <sub>2.5</sub> (4)	0.06	0.01
		Ammonia (4)	0.02	0.09
AERO-CTE05	East Cantonment 03 Aerosol Can Spray	VOC (4)	28.29	4.75
		Exempt Solvent (4)	28.76	6.86
		PM (4)	1.70	0.35
		PM <sub>10</sub> (4)	0.56	0.11
		PM <sub>2.5</sub> (4)	0.09	0.02
		Ammonia (4)	0.04	0.18
AERO-CTW06	West Cantonment 01 Aerosol Can Spray	VOC (4)	4.74	0.80
		Exempt Solvent (4)	4.84	1.15
		PM (4)	0.29	0.06
		PM <sub>10</sub> (4)	0.09	0.02
		PM <sub>2.5</sub> (4)	0.02	<0.01
		Ammonia (4)	0.01	0.04

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name (FIN)	Air Contaminant Name (1)	Emission Rates (2)	
			lbs/hour	TPY (3)
AERO-CTW07	West Cantonment 02 Aerosol Can Spray	VOC (4)	24.25	4.08
		Exempt Solvent (4)	24.69	5.89
		PM (4)	1.46	0.30
		PM <sub>10</sub> (4)	0.46	0.09
		PM <sub>2.5</sub> (4)	0.08	0.02
		Ammonia (4)	0.03	0.13
AERO-CTW08	West Cantonment 03 Aerosol Can Spray	VOC (4)	56.83	9.55
		Exempt Solvent (4)	57.97	13.80
		PM (4)	6.56	1.11
		PM <sub>10</sub> (4)	2.07	0.35
		PM <sub>2.5</sub> (4)	0.35	0.06
		Ammonia (4)		
AERO-DOL09	DOL Aerosol Can Spray	VOC (4)	0.41	0.40
		Exempt Solvent (4)	0.02	0.01
		PM (4)	0.26	0.25
		PM <sub>10</sub> (4)	0.08	0.08
		PM <sub>2.5</sub> (4)	0.01	0.01
AERO-FHW11	Fort Hood West 02 Aerosol Can Spray	VOC (4)	2.43	3.64
		Exempt Solvent (4)	1.89	0.46
		PM (4)	0.14	0.02
		PM <sub>10</sub> (4)	0.04	0.01
		PM <sub>2.5</sub> (4)	0.01	<0.01

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name (FIN)	Air Contaminant Name (1)	Emission Rates (2)	
			lbs/hour	TPY (3)
AERO-DS212	DS2 Hood Army Airfield Aerosol Can Spray	VOC (4)	0.68	0.65
		Exempt Solvent (4)	0.19	0.18
		PM (4)	0.01	0.01
		PM <sub>10</sub> (4)	<0.01	<0.01
		PM <sub>2.5</sub> (4)	<0.01	<0.01
AERO-DS213	DS2 Fort Hood West Aerosol Can Spray	VOC (4)	0.22	0.22
		Exempt Solvent (4)	0.06	0.06
		PM (4)	<0.01	<0.01
		PM <sub>10</sub> (4)	<0.01	<0.01
		PM <sub>2.5</sub> (4)	<0.01	<0.01
AERO-DPW14	DPW East Cantonment Aerosol Can Spray	VOC (4)	0.11	0.14
		Exempt Solvent (4)	<0.01	<0.01
		PM (4)	<0.01	<0.01
		PM <sub>10</sub> (4)	<0.01	<0.01
		PM <sub>2.5</sub> (4)	<0.01	<0.01
AERO-DPW15	DPW West Cantonment Aerosol Can Spray	VOC (4)	0.11	0.14
		Exempt Solvent (4)	<0.01	<0.01
		PM (4)	<0.01	<0.01
		PM <sub>10</sub> (4)	<0.01	<0.01
		PM <sub>2.5</sub> (4)	<0.01	<0.01
All Emission Points	All Sources	Single HAP		<10.00
		All HAP		<25.00

**Emission Sources - Maximum Allowable Emission Rates**

- (1) Exempt Solvent - carbon compounds as defined in Title 30 Texas Administrative Code § 101.1
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - SO<sub>2</sub> - sulfur dioxide
  - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (2) Rates include planned maintenance, startup, and shutdown emissions.
  - (3) Rate is for a rolling 12 consecutive months.
  - (4) Fugitive emissions
  - (5) Emissions from natural gas combustion

Date: \_\_\_\_\_

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