ADEQ

ARKANSAS
Department of Environmental Quality

December 17, 2007

Peter R. Christiansen
Manager Environmental
Dassault Falcon Jet Corporation
PO Box 967
Little Rock, AR 72203-0967

Dear Mr. Christiansen:

The enclosed Permit No. 1876-AR-7 is your authority to construct, operate and maintain the equipment and or control apparatus as set forth in your application initially received on 10/3/2007.

After considering the facts and requirements of A.C.A. §8-4-101 et seq., and implementing regulations, I have determined that Permit No. 1876-AR-7 for the construction, operation and maintenance of an air pollution control system for Dassault Falcon Jet Corporation be issued and effective on the date specified in the permit, unless a Commission review has been properly requested under §2.1.14 of Regulation No. 8, Arkansas Department of Pollution Control & Ecology Commission's Administrative Procedures, within thirty (30) days after service of this decision.

All persons submitting written comments during this thirty (30) day period, and all other persons entitled to do so, may request an adjudicatory hearing and Commission review on whether the decision of the Director should be reversed or modified. Such a request shall be in the form and manner required by §2.1.14 of Regulation No. 8.

Sincerely,

Mike Bates

Mike Bates
Chief, Air Division

Enclosure

ADEQ
MINOR SOURCE
AIR PERMIT

Permit # 1876-AR-7

IS ISSUED TO:

Dassault Falcon Jet
10th and Leonard Streets
Little Rock, AR 72202
Pulaski County
AFIN: 60-00617

THIS PERMIT IS Dassault Falcon Jet's AUTHORITY TO CONSTRUCT, MODIFY, OPERATE, AND/OR MAINTAIN THE EQUIPMENT AND/OR FACILITY IN THE MANNER AS SET FORTH IN THE DEPARTMENT'S MINOR SOURCE AIR PERMIT AND THE APPLICATION. THIS PERMIT IS ISSUED PURSUANT TO THE PROVISIONS OF THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT (ARK. CODE ANN. SEC. 8-4-101 *ET SEQ.*) AND THE REGULATIONS PROMULGATED THEREUNDER, AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

Mike Bates

Mike Bates
Chief, Air Division

December 17, 2007
Date

Table of Contents

Section I: FACILITY INFORMATION

PERMITTEE:	Dassault Falcon Jet
AFIN:	60-00617
PERMIT NUMBER:	1876-AR-7
FACILITY ADDRESS:	10th and Leonard Streets Little Rock, AR 72202
COUNTY:	Pulaski County
CONTACT PERSON:	Peter R. Christiansen
CONTACT POSITION:	Manager Environmental
TELEPHONE NUMBER:	501-210-0147
REVIEWING ENGINEER:	Charles Hurt
UTM Zone:	15
UTM North-South (Y):	3844105.48
UTM East-West (X):	570317.17

Section II: INTRODUCTION

Summary

Dassault Falcon Jet Corporation (DFJC) owns and operates an aerospace manufacturing and rework facility located at 10th & Leonard Streets, Little Rock, Arkansas 72202. DFJC proposed to expand the Service Center, and add the following sources:

- Service Center – Spray UV (SN-71)
- Service Center – Cure UV (SN-72)
- Service Center – UV Flash-off (SN-73)
- Service Center – Cabinet Glue Booth (SN-74), and
- Service Center – Headliner Glue (SN-75).

While the potential to emit from the proposed modifications exceeds the VOC de minimis threshold, the resulting, combined VOC emissions from the sources listed above shall be limited to 20.0 tpy in order for the modifications to qualify as a *de minimis* modification, refer to Specific Condition #20 (proposed). DFJC indicated sanding and buffing activities will occur at the service center. However, particulate matter will not be emitted to the atmosphere because the air inside the building will be filtered and re-circulated.

DFJC did not request to increase the plantwide VOC limit of 95.0 tpy.

Process Description

New aircraft arrive at the DFJC facility with temporary instrumentation, crew seating, and a protective coating. The temporary instrumentation and crew seating are removed and sent back to the manufacturer. The aircraft are then completed to customer specifications. Completion activities include: painting the aircraft, installation of avionics, and finishing the interior of the plane. Aircraft are also brought to the facility for rework, repair, and inspection.

Paint Shop

There are three prep bays at DFJC in which de-painting and primer application are performed, and five paint bays in which topcoat applications are performed. All eight paint bays are equipped with a filtering system to control the paint spray.

New aircraft arrive with a protective coating while old aircraft arrive with a paint coating. De-painting and primer application are performed in Prep Bays #1, #2, and #3. Topcoat application is performed in Paint Bays #1, #2, #3, #4, and #5. The most common color chosen by customers is white with colored stripes. Previously purchased aircraft are also stripped and repainted as requested by the customer. Three small parts enclosures, which are used intermittently to coat small parts, are located within the paint shop. Small interior parts are painted in the PSU paint room.

Cabinet Shop

DFJC builds and finishes cabinets for installation in the aircraft. This involves sanding and buffing operations along with paint, stain, and adhesive application. The cabinet shop is equipped with a closed dust collection system, which collects stray particulate matter from cutting and sanding operations. Particulate is captured in one of six diffuse particulate filters that remove particulate from the air and exhaust the clean air back into the building, or by one of two vacuum filters, which filter the air prior to exhausting to the atmosphere. Components are glued in Glue Booths #1, #2, #3, #4, and #5. Stain is applied to the cabinet components in the Stain Room. UV paint is applied and cured in the UV spray, flash off, and cure area. Poly paint is applied and cured in the poly spray and hold area. Cabinet pieces are touched-up in a small spray booth, if necessary.

Upholstery Shop

Upholstery is another manufacturing operation. All interior seats and flooring are upholstered to customer specifications. There are two emission points associated with the upholstery shop, the adhesive application room and the adhesive application and foam cutting room. The adhesive application room is equipped with a ventilation hood where seat and upholstery components are glued. Foam is cut and glued in the adhesive application and foam cutting room.

Some cabinets/wood pieces are required to be upholstered depending on customer specifications. These cabinets/wood pieces are upholstered at the Cabinet Shop in Glue Booth No. 5.

Headliner Shop

DFJC builds and installs headliners for each aircraft. The construction of headliners requires the use of adhesives and solvents. Headliner construction takes place in the headliner shop. The shop is equipped with particulate filters.

Plating Shop

Metal plating tanks are used to electroplate fixtures and cabinet components according to the customer's choice (gold, silver, brass, copper, or nickel). These tanks are located inside a building and do not have stacks to the atmosphere. The plating shop is equipped with a lacquer spray booth to coat any parts plated with brass in order to enhance the beauty and durability of the part. The lacquer booth is equipped with a particulate filter.

Fuel Storage

DFJC stores fuel on site for aircraft, company vehicles, and equipment. The jet fuel is stored in three tanks which vent during filling. DFJC also has an automotive fuel tank used to fill vehicles and equipment.

Service Center

Previously purchased aircraft are also brought to the Service Center for rework, repair, and inspection. The majority of the work completed at the Service Center is inspections and mechanical/instrumentation repairs that do not generate emissions. However, when requested by the customer, the Service Center will rework the interior of the aircraft such as repairing and installing new cabinets, headliners, upholstery, etc. Emissions from the rework activities are emitted to the atmosphere through the designated stack in the specific work area at the Service Center.

Miscellaneous

Several miscellaneous emission sources are included in this section which do not fit with any particular operation. Solvents and other chemicals are used at many locations throughout the facility. These facility-wide uncontrolled emissions are emitted to the atmosphere. DFJC produces decals for aircraft in the screen printing room. This involves the use of various solvents. The emissions from these solvents are vented to the atmosphere.

DFJC also produces decals for aircraft in the screen printing room. Emissions from the screen printing process are emitted to the atmosphere through a single stack in the screen printing room.

Regulations

Source No.	*Regulation Citations*
Plantwide	Regulation No. 18, *Arkansas Air Pollution Code*
	Regulation No. 19, *Regulations of the Arkansas Plan of Implementation for Air Pollution Control*

The following table is a summary of the facility's total emissions.

Table 1 - Total Allowable Emissions

Total Allowable Emissions		
Pollutant	**Emissions Rates**	
	lb/hr	**tpy**
VOC	993.0	95.0
Any Single HAP	382.22	9.60
Combination of All HAPs	382.22	24.50

Section III: PERMIT HISTORY

The first air permit, #1067-AR was issued to Dassault Falcon Jet Corp (DFJC) on August 21, 1990 under Regulation 18, the *Arkansas Air Pollution Control Code.*

Air Permit #1067-AR-1 was issued to Dassault Falcon Jet Corp. on June 30, 1995 under Regulation 19, *Regulations of the Arkansas Plan of Implementation for Air Pollution Control*, at the request of Arkansas Department of Pollution Control and Ecology (ADPCE). DFJC identified specific emissions point sources and quantified emissions to obtain permit #1067-AR-1. In addition, DFJC became subject to 40 CFR 63, Subpart N - *National Emission Standard for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.*

Air Permit #1067-AR-2 was issued to DFJC on December 20, 1995. The permit included the change of the test method for the decorative chrome plating operation from Method 306 or 306A to Method 306B. This modification allowed DFJC to utilize a test method which is significantly less expensive.

Air Permit #1067-AR-3 was issued to DFJC on August 6, 1996. The permit was issued to authorize the facility to build an additional paint bay and a second adhesive application room for the cabinet shop. This application also reflected the name change from Falcon Jet Corp. to Dassault Falcon Jet Corp. It was also submitted to notify ADPCE that DFJC has became subject to two more NESHAP standards: 40 CFR 63, Subpart GG - *National Emission Standard for Aerospace Manufacturing and Rework Facilities* and 40 CFR 63, Subpart JJ - *National Emission Standards for Wood Furniture Manufacturing Operations.*

This facility operated under Air Pollution Prevention Plan #1067-AOP-R0 which was issued on March 27, 1998. Emissions were quantified as 0.9 tons per year (tpy) of PM/PM_{10}, 94.0 tpy of Volatile Organic Compounds (VOC), and 23.8 tpy of Hazardous Air Pollutants (HAPs).

Permit 1876-A was issued on February 10, 2000. There were no physical changes made at this facility. This permit was issued to update the permit to permitting regulations introduced with the revisions to Regulations 18 and 19.

Permit 1876-AR-1 was issued on November 8, 2000. This permit was issued to remove Specific Conditions # 6 and # 7. These specific conditions limited the number of aircraft that the facility was allowed to produce and depaint during a consecutive twelve month period. However, the rolling 12-month VOC and HAP record keeping provisions of Specific Conditions #11, #12, #13, #14, and #15 are sufficient to show compliance with permitted emission rates.

Permit 1876-AR-2 was issued on April 26, 2002. This permit was issued to add three new painting bays, each bay having three stacks. One of the new bays is used for the depainting and primer application, while the remaining two new bays are used for topcoat application. There were no changes to the annual permitted limits with this modification.

Permit 1876-AR-3 was issued on September 10, 2003. A stack was removed from each of three paint bays (SN-41, SN-44, and SN-47). Total emissions from the paint bays remained the same. A small parts paint booth was installed. No net increase in production resulted from this installation. However, to allow for flexibility in operations, the emission limits for the new paint booth was set equal to that for the existing. A Paint Vault Sample Spray Booth was added to the list of insignificant activities. There were no changes to the annual permitted emission limits.

Permit 1876-AR-4 was issued on June 28, 2005. DFJC requested to install a glue booth (SN-49) at the Cabinet Shop, a completion hanger (part of SN-37), and a second natural gas fired curing oven (Insignificant Activity). DFJC also requested to relocate the Mold Machine Shop curing oven to the new building where the new oven was installed. Both the glue booth and the hanger are sources of VOC emissions. DFJC did not request an increase for the permitted annual VOC emission rate.

Permit 1876-AR-5 was issued on June 15, 2006. Permit 1876-AR-5 allowed the following modifications:

- Expanded the Cabinet Shop and relocate Glue Booth No. 2 (SN-11),
- Relocated Headliner Operations (Remove stacks SN-05, SN-06, and SN-21 and SN-20 and SN-22),
- Relocated Printing Room (SN-25),
- Expanded the Upholstery Shop and relocate glue booth (SN-01),
- Replaced Paint Bays No. 1 and No. 2 waterfall particulate control system with dry filters,
- Constructed a new completion hanger and relocate existing completion operations (SN-37),
- Re-designated SN-08 as SN-08A through SN-08F since emissions are emitted through eight stacks instead of one,
- Removed SN-07 since the stack was never installed and emissions are accounted for in SN-08.
- Installed Glue Booth No. 5 (SN-20) in the Cabinet Shop,
- Constructed an Auto Finish Cabinet Shop (SN-51 through SN-58), and
- Updated Insignificant Activities Table

With the installation of the glue booth and construction of the Auto Finish Cabinet Shop, DFJC did not request an increase in the throughput of coatings and adhesives. Therefore, the annual emission limits were not increased.

Permit 1876-AR-6 was issued on August 14, 2007. This permit allowed the following modifications:

- Converted the existing paint bays (No. 1 and No. 2) into completion areas (SN-14 through SN-19); and

- Constructed four new bays for depainting, primer application, and top coat application

activities (SN-59 through SN-66), two enclosures for painting small parts (SN-67 and SN-68), a primer work room (SN-69), a paint work room (SN-70), a sanding area enclosure (insignificant activity), and a flightline hanger for storage of completed aircraft.

With the proposed construction, DFJC did not request an increase in the throughput of coatings and adhesives. Therefore, the annual VOC emission limits were not increased.

Section IV: EMISSION UNIT INFORMATION

Specific Conditions

1. The permittee will not exceed the emission rates set forth in the following table. [§19.501 *et seq.* of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control, effective October 15, 2007, (Regulation 19) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

Table 2 - Criteria Pollutants

SN	Description	Pollutant	lb/hr	tpy
01	Upholstery Shop – Adhesive Application Room	VOC	8.5	-
03	Upholstery Shop – Adhesive Application & Foam Cutting Room	VOC	8.5	-
05	Relocated to SN-20 (Headliner Shop Stack #1)			
06	Relocated to SN-22 (Headliner Shop Stack #2)			
08A	Cabinet Shop – UV Spray	VOC	2.9	-
08B	Cabinet Shop – UV Cure	VOC	2.9	-
08C	Cabinet Shop – UV Flash Off	VOC	2.9	-
08D	Cabinet Shop – UV Spray	VOC	2.9	-
08E	Cabinet Shop – UV Flash Off	VOC	2.9	-
08F	Cabinet Shop – UV Cure	VOC	2.9	-
09	Cabinet Shop – Poly Spray & Hold	VOC	42.5	-
10	Cabinet Shop – Glue Booth #1	VOC	42.5	-
11	Cabinet Shop – Glue Booth #2	VOC	42.5	-
12	Cabinet Shop – Glue Booth #3	VOC	42.5	-
13	Flocking Booth	VOC	8.5	-
20	Headliner Shop Stack #1	VOC	8.5	-
21	Removed from service.			
22	Headliner Shop Stack #2	VOC	8.5	-
25	Miscellaneous – Screen Printing Room	VOC	8.5	-
26	Paint Shop – Spray Booth	VOC	8.5	-
27	Cabinet Shop – Spray Booth	VOC	0.9	-
28	Plating Shop – Lacquer Room	VOC	8.5	-
30	Paint Shop – Prep Bay #1 Stack #1	VOC	33.9	-
31	Paint Shop – Prep Bay #1 Stack #2	VOC	33.9	-
32	Paint Shop – Prep Bay #1 Stack #3	VOC	33.9	-

SN	Description	Pollutant	lb/hr	tpy
33	Fuel Storage – Jet Fuel (20,000 gal)	VOC	59.6	-
34	Fuel Storage – Jet Fuel (20,000 gal)	VOC	59.6	-
35	Fuel Storage – Jet Fuel (10,000 gal)	VOC	24.9	-
37	Miscellaneous – Facility Wide Uncontrolled Emissions	VOC	17.9	-
39	Paint Shop – Prep Bay #2 Stack #1	VOC	50.8	-
40	Paint Shop – Prep Bay #2 Stack #2	VOC	50.8	-
42	Paint Shop – Bay #1 Stack #1	VOC	13.0	-
43	Paint Shop – Bay #1 Stack #2	VOC	13.0	-
45	Paint Shop – Bay #2 Stack #1	VOC	13.0	-
46	Paint Shop – Bay #2 Stack #2	VOC	13.0	-
48	Paint Shop – Small Parts Enclosure	VOC	8.5	-
49	Cabinet Shop – Glue Booth #4	VOC	42.5	-
50	Cabinet Shop – Glue Booth #5	VOC	8.5	-
51	Auto Finish Cabinet Shop – UV Spray	VOC	4.3	-
52	Auto Finish Cabinet Shop – UV Flash Off	VOC	4.3	-
53	Auto Finish Cabinet Shop – UV Flash Off	VOC	4.3	-
54	Auto Finish Cabinet Shop – UV Flash Off	VOC	4.3	-
55	Auto Finish Cabinet Shop – UV Cure	VOC	4.3	-
56	Auto Finish Cabinet Shop – UV Cure	VOC	4.3	-
57	Auto Finish Cabinet Shop – UV Cure	VOC	4.3	-
58	Auto Finish Cabinet Shop – UV Cure	VOC	4.3	-
59	Paint Shop – Bay #3 Stack #1	VOC	13.0	-
60	Paint Shop – Bay #3 Stack #2	VOC	13.0	-
61	Paint Shop – Bay #4 Stack #1	VOC	13.0	-
62	Paint Shop – Bay #3 Stack #2	VOC	13.0	-
63	Paint Shop – Bay #5 Stack #1	VOC	13.0	-
64	Paint Shop – Bay #5 Stack #2	VOC	13.0	-
65	Paint Shop – Prep Bay #3 Stack #1	VOC	50.8	-
66	Paint Shop – Prep Bay #3 Stack #2	VOC	50.8	-
67	Paint Shop – Small Parts Enclosure	VOC	8.5	-
68	Paint Shop – Small Parts Enclosure	VOC	8.5	-
69	Paint Shop – Primer Work Room	VOC	1.9	-

SN	Description	Pollutant	lb/hr	tpy
70	Paint Shop – Paint Work Room	VOC	1.3	-
71	Service Center – Spray UV	VOC	2.9	-
72	Service Center – Cure UV	VOC	2.9	-
73	Service Center – UV Flash-off	VOC	2.9	-
74	Service Center – Cabinet Glue Shop	VOC	8.5	-
75	Service Center – Headliner Glue Area	VOC	8.5	-
Plantwide Limit		VOC	933.0	95.0

2. The permittee will not exceed the emission rates set forth in the following table. [§18.801 of the Arkansas Air Pollution Control Code, effective February 15, 1999 (Regulation 18) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

Table 3 - Non-Criteria Pollutants

SN	Description	Pollutant	lb/hr	tpy
01	Upholstery Shop Adhesive Application Room	HAP	4.00	-
03	Upholstery Shop Adhesive Application & Foam Cutting Room	HAP	4.00	-
05	Relocated to SN-20 (Headliner Shop – Stack #1)			
06	Relocated to SN-22 (Headliner Shop – Stack #2)			
08A	Cabinet Shop – UV Spray, Flash Off, & Cure	HAP	20.00	-
08B	Cabinet Shop – UV Cure	HAP	1.34	-
08C	Cabinet Shop – UV Flash Off	HAP	1.34	-
08D	Cabinet Shop – UV Spray	HAP	1.34	-
08E	Cabinet Shop – UV Flash Off	HAP	1.34	-
08F	Cabinet Shop – UV Cure	HAP	1.34	-
09	Cabinet Shop – Poly Spray & Hold	HAP	20.00	-
10	Cabinet Shop – Glue Booth #1	HAP	20.00	-
11	Cabinet Shop – Glue Booth #2	HAP	20.00	-
12	Cabinet Shop – Glue Booth #3	HAP	20.00	-
13	Flocking Booth	HAP	4.00	-
20	Headliner Shop – Stack #1	HAP	4.00	-
21	Removed from service			
22	Headliner Shop Stack #2	HAP	4.00	-
25	Miscellaneous – Screen Printing Room	HAP	4.00	-
26	Paint Shop – Spray Booth	HAP	4.00	-

SN	Description	Pollutant	lb/hr	tpy
27	Cabinet Shop – Spray Booth	HAP	0.40	-
28	Plating Shop – Lacquer Room	HAP	4.00	-
30	Paint Shop – Prep Bay #1 Stack #1	HAP	12.30	-
31	Paint Shop – Prep Bay #1 Stack #2	HAP	12.30	-
32	Paint Shop – Prep Bay #1 Stack #3	HAP	12.30	-
33	Fuel Storage – Jet Fuel (20,000 gal)	HAP	3.22	-
34	Fuel Storage – Jet Fuel (20,000 gal)	HAP	3.22	-
35	Fuel Storage – Jet Fuel (10,000 gal)	HAP	1.34	-
37	Miscellaneous – Facility Wide Uncontrolled Fugitives	HAP	17.85	-
39	Paint Shop – Prep Bay #2 Stack #1	HAP	18.47	-
40	Paint Shop – Prep Bay #2 Stack #2	HAP	18.47	-
42	Paint Shop – Bay #1 Stack #1	HAP	4.04	-
43	Paint Shop – Bay #1 Stack #2	HAP	4.04	-
45	Paint Shop – Bay #2 Stack #1	HAP	4.04	-
46	Paint Shop – Bay #2 Stack #2	HAP	4.04	-
48	Paint Shop – Small Parts Enclosure	HAP	4.00	-
49	Cabinet Shop – Glue Booth #4	HAP	20.00	-
50	Cabinet Shop – Glue Booth #5	HAP	4.00	-
51	Auto Finish Cabinet Shop – UV Spray	HAP	2.00	-
52	Auto Finish Cabinet Shop – UV Flash Off	HAP	2.00	-
53	Auto Finish Cabinet Shop – UV Flash Off	HAP	2.00	-
54	Auto Finish Cabinet Shop – UV Flash Off	HAP	2.00	-
55	Auto Finish Cabinet Shop – UV Cure	HAP	2.00	-
56	Auto Finish Cabinet Shop – UV Cure	HAP	2.00	-
57	Auto Finish Cabinet Shop – UV Cure	HAP	2.00	-
58	Auto Finish Cabinet Shop – UV Cure	HAP	2.00	-
59	Paint Shop – Bay #3 Stack #1	HAP	4.04	-
60	Paint Shop – Bay #3 Stack #2	HAP	4.04	-
61	Paint Shop – Bay #4 Stack #1	HAP	4.04	-
62	Paint Shop – Bay #3 Stack #2	HAP	4.04	-
63	Paint Shop – Bay #5 Stack #1	HAP	4.04	-
64	Paint Shop – Bay #5 Stack #2	HAP	4.04	-

SN	Description	Pollutant	lb/hr	tpy
65	Paint Shop – Prep Bay #3 Stack #1	HAP	18.47	-
66	Paint Shop – Prep Bay #3 Stack #2	HAP	18.47	-
67	Paint Shop – Small Parts Enclosure	HAP	4.00	-
68	Paint Shop – Small Parts Enclosure	HAP	4.00	-
69	Paint Shop – Primer Work Room	HAP	1.90	-
70	Paint Shop – Paint Work Room	HAP	0.40	-
71	Service Center – Spray UV	HAP	1.34	
72	Service Center – Cure UV	HAP	1.34	
73	Service Center – UV Flash-off	HAP	1.34	
74	Service Center – Cabinet Glue Shop	HAP	4.00	
75	Service Center – Headliner Glue Area	HAP	4.00	
Plantwide Limits		Total Combined HAP	382.22	24.50
		Any Single HAP	382.22	9.60

3. Visible emissions will not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

Table 4 - Visible Emissions

SN	Limit	Regulatory Citation
All Sources	5%	§18.501

4. The permittee will not cause or permit the emission of air contaminants, including odors or water vapor and including an air contaminant whose emission is not otherwise prohibited by Regulation #18, if the emission of the air contaminant constitutes air pollution within the meaning of A.C.A. §8-4-303. [§18.801 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

5. The permittee will not conduct operations in such a manner as to unnecessarily cause air contaminants and other pollutants to become airborne. [§18.901 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

6. The permittee will not emit in excess of 95.0 tons of VOC at the facility per consecutive 12 month period. Compliance with this condition will be demonstrated by compliance with Specific Condition #7. [§19.501 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

7. The permittee will maintain monthly records of the VOC emissions from all sources during each month. The permittee will update the records by the fifteenth day of the month following the month to which the records pertain. These records will be kept on-site and provided to Department personnel upon request, and may be used by the Department for enforcement purposes. [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

8. The permittee will not exceed the facility-wide Hazardous Air Pollutant (HAP) content limits set forth in the following table. Materials which are not compliant with the requirements of this table may be exempted from this condition provided that they meet all of the requirements of Specific Condition #10. [§18.801 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

Table 5 – TLV Table

TLV greater than or equal to (mg/m^3)	Maximum Single HAP Allowable Weight Content (wt %)**
136.48	100%
122.83	90%
109.18	80%
95.54	70%
81.89	60%
68.24	50%
54.59	40%
40.94	30%
27.30	20%
13.65	10%
6.82	5%
5.46	4%
4.09	3%
2.73	2%
1.37	1%
*	<1%

*** Several materials used at the facility contain trace amounts (<1% by wt.) of HAPs with low TLVs such as formaldehyde. Such HAPs in trace amounts are not limited by this table.**

**** This table is based on a maximum HAP concentration of 8.50 lb HAP per gallon of material, as applied.**

9. The permittee will maintain records which demonstrate compliance with the limits set in Specific Condition #8 and which may be used by the Department for enforcement purposes. Compliance will be determined by inspecting the ACGIH TLV values as listed on current MSDS forms, or in the most recently published ACGIH handbook of Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs) and properly noting on the monthly HAP records (required by Specific Condition #12) whether the material in question is compliant with the table contained in Specific Condition #8. These records will be maintained on site and will be provided to Department personnel upon request. [§18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

10. Certain HAP containing materials that are unable to meet the requirements of Specific Condition #8 may be exempted provided that all of the following conditions are met. Any exemptions that are claimed must be noted on the HAP records required by Specific Condition #12. [§18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

    a. Emissions of the exempted pollutants will not exceed 200 lb of any single HAP during any one month.

    b. This exemption may only be claimed if the source material of the HAP is used for touch-up or other small quantity application. This exemption may not be claimed for any HAP emissions resulting from the usage of bulk process materials (such as paints) that are used in large quantities on a regular basis. The Department will reserve the right to determine whether a material qualifies under this condition.

    c. Total emissions of any single HAP that are claimed as an exemption may not exceed 1 tpy on a 12-month rolling total basis, and the combined HAP emissions that are claimed as an exemption may not exceed 2.5 tpy on a 12-moth rolling total basis.

11. The permittee will maintain records of the amount of VOC containing materials issued for use at the facility and their respective VOC contents. All VOCs contained in these materials will count as air emissions. Any VOCs that are properly shipped off-site according to the terms of Specific Condition #14 may be subtracted from the total emissions as a credit. A twelve month rolling total of materials issued for use and emissions will also be calculated. These records will be maintained in a spreadsheet, database, or other well-organized format. These records will be updated monthly, kept on-site, and shall be made available to Department personnel upon request. [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

12. The permittee will maintain monthly records of the HAP emissions from the facility in order to demonstrate compliance with tons per year emission limits. All HAPs that are capable of being emitted as air emissions and are contained in materials issued for use at the facility shall be considered to be emitted. HAP emission credits may be subtracted from the total emissions provided they meet all of the requirements of Specific Condition #14. A 12-month rolling total and each individual month's data will be maintained on a facility-wide basis. These records will be maintained on site and will be made available to Department personnel upon request. [§18.801 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

13. The permittee will demonstrate that the degree of accuracy of the calculations used to determine emissions is sufficient to prove that the major source thresholds have not been exceeded. [§19.405(B) of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

14. The permittee may use all scrap VOC's and HAPs that are drummed and shipped offsite to a proper disposal site as a credit towards the facility's VOC and HAP emissions. Only the VOC and HAP portion of the shipment may be taken as a credit. Before a credit can be given the following conditions must be met. [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

    a. Testing will be performed quarterly in order to establish representative concentrations of VOCs and HAPs for the waste streams. This testing will be performed by an independent laboratory. Representative samples will be taken from 10% of the drums containing VOCs and HAPs. The samples will be tested for percentage of VOC and HAP content by weight and reported as such. The average of the samples will be applied to all the VOC and HAP containing drums disposed of for the next 3 month period.

    b. The ADEQ Air Division District Field Inspector will be notified no later than seven days prior to the date the samples are taken. The Air Division inspector will have the option of attending the sampling and selecting the drums to be sampled.

    c. The sampling reports will be maintained on site with the VOC and HAP emissions records required by this permit. These records will be made available to Department personnel upon request.

    d. The permittee will maintain a spreadsheet which will reflect the waste streams and the respective weight fractions of VOC and HAP shipped on a monthly basis. This spreadsheet will also contain monthly calculations for VOC and HAP emissions reductions. A copy of this spreadsheet will be made available to Department personnel upon request.

15. The VOC and HAP portions of unused materials that have either exceeded their shelf life or cannot be used for any reason may also be taken as an emission credit provided that these materials were first issued for use at the facility. These credits will be calculated based on the VOC and HAP concentrations reported on the MSDS sheet for each particular material. Monthly records will be maintained to demonstrate any credits claimed under this condition. [§19.705 of Regulation 19 and/or A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

16. The permittee shall not apply any material that contains more than 8.50 lb HAP and/or VOC per gallon of material, as applied, unless it meets the exemption specified in Specific Condition #10 for HAPs and the exemption specified in Specific Condition #17 for VOC. [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

17. Certain VOC compliant material that are unable to meet the requirements of Specific Condition #16 may be used provided that all of the following conditions are met. Usage of such materials shall be included in the VOC records required by Specific Condition #7. [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

    a. Total VOC emissions of the materials unable to comply with the concentration limit may not exceed 2.5 ton/yr on a 12 month-rolling total basis. These emissions shall be quantified and included in the total annual VOC calculations.

    b. Only materials used for touch-up or other small quantity application may exceed the concentration limit. Any VOC emissions resulting from the usage of bulk process materials (such as paints) that are used in large quantities on a regular basis must result through the use of materials which comply with the concentration limit. The Department will reserve the right to determine whether a material qualifies under this condition.

18. The permittee will not emit in excess of 20.0 tons of VOC (sum total) from the sources listed below per consecutive 12 month period. Compliance with this condition shall be demonstrated through compliance with Specific Condition #19. [Regulation No. 19 §19.705, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6]

SN	Description	Maximum VOC Emissions Per Consecutive 12 Month Period
13	Paint Shop – Flocking Booth	The total VOC emission from these sources shall not exceed 20.0 tons.
59	Paint Shop – Bay 3 Stack 1	
60	Paint Shop – Bay 3 Stack 2	
61	Paint Shop – Bay 4 Stack 1	
62	Paint Shop – Bay 4 Stack 2	
63	Paint Shop – Bay 5 Stack 1	
64	Paint Shop – Bay 5 Stack 2	

SN	Description	Maximum VOC Emissions Per Consecutive 12 Month Period
65	Paint Shop – Prep Bay 3 Stack 1	
66	Paint Shop – Prep Bay Stack 2	
67	Paint Shop – Small Parts Enclosure #1	
68	Paint Shop – Small Parts Enclosure #2	
69	Paint Shop – Primer Work Room	
70	Paint Shop – Paint Work Room	

19. The permittee will maintain monthly records of the VOC emissions from all sources listed in Specific Condition #18 during each month. The permittee will update the records by the fifteenth day of the month following the month to which the records pertain. These records will be kept on-site and provided to Department personnel upon request, and may be used by the Department for enforcement purposes. [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

20. The permittee will not emit in excess of 20.0 tons of VOC (sum total) from the sources listed below per any consecutive twelve month period. Compliance with this condition shall be demonstrated through compliance with Specific Condition #21. [Regulation No. 19 §19.705, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6]

SN	Description	Maximum VOC Emissions Per Consecutive 12 Month Period
71	Service Center – Spray UV	The total VOC emission from these sources shall not exceed 20.0 tons.
72	Service Center – Cure UV	
73	Service Center – UV Flash-off	
74	Service Center – Cabinet Glue Shop	
75	Service Center – Headliner Glue Area	

21. The permittee will maintain monthly records of solvent, coatings, and adhesives usage and calculations of the VOC emissions from all sources listed in Specific Condition #20. The records shall be kept in a format such that compliance with a twelve month rolling total can be readily determined. The permittee will update the records by the fifteenth day of the month following the month to which the records pertain. These records will be kept on-site and provided to Department personnel upon request, and may be used by the Department for enforcement purposes. [Regulation No. 19 §19.705 and 40 CFR Part 52, Subpart E]

Section V: INSIGNIFICANT ACTIVITIES

The Department deems the following types of activities or emissions as insignificant on the basis of size, emission rate, production rate, or activity in accordance with Group A of the Insignificant Activities list found in Regulation 18 and 19 Appendix A. Insignificant activity emission determinations rely upon the information submitted by the permittee in an application dated **10/3/2007.**

Table 5 - Insignificant Activities

Description	Category
2 MMBtu/hr Mold Machine Shop Natural Gas-fired Curing Oven	A-1
1.2 MMBtu/hr Mold Machine Shop Natural Gas-fired Curing Oven	A-1
<1 MMBtu/hr Machine Shop Natural Gas-fired Oven	A-1
250-gal. Automotive Fuel Storage Tank	A-13
Wastewater Aeration	A-13
FAA Burn Test Room	A-13
Cabinet Shop – Vacuum Filter #1	A-13
Cabinet Shop – Vacuum Filter #2	A-13
Cabinet Shop – Six Diffuse Particulate Filters	A-13
Natural Gas Fired Wastewater Evaporator	A-13
Machine Shop Drilling and Cutting	A-13
Machine Shop Welding	A-13
Plating Shop Laboratory	A-5
Service Center Small Parts Paint Booth	A-13
Paint Vault Sample Spray Booth	A-13
Gel-Coat Booth	A-13
Cabinet Shop – Polish Room, Detail Polish Room, and Buffing Room	A-13
Weld Inspection Booth	A-13
Paint Shop – Sanding Area Enclosure	A-13

Section VI: GENERAL CONDITIONS

1. Any terms or conditions included in this permit that specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq.*) as the sole origin of and authority for the terms or conditions are not required under the Clean Air Act or any of its applicable requirements, and are not federally enforceable under the Clean Air Act. Arkansas Pollution Control & Ecology Commission Regulation 18 was adopted pursuant to the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq.*). Any terms or conditions included in this permit that specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq.*) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute.

2. This permit does not relieve the owner or operator of the equipment and or the facility from compliance with all applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated under the Act. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

3. The permittee will notify the Department in writing within thirty (30) days after commencement of construction, completion of construction, first operation of equipment and/or facility, and first attainment of the equipment and/or facility target production rate. [§19.704 of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control (Regulation 19) and/or A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

4. Construction or modification must commence within eighteen (18) months from the date of permit issuance. [§19.410(B) of Regulation 19 and/or §18.309(B) of the Arkansas Air Pollution Control Code (Regulation 18) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

5. The permittee must keep records for five years to enable the Department to determine compliance with the terms of this permit; such as hours of operation, throughput, upset conditions, and continuous monitoring data. The Department may use the records, at the discretion of the Department, to determine compliance with the conditions of the permit. [§19.705 of Regulation 19 and/or §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

6. A responsible official must certify any reports required by any condition contained in this permit and submit any reports to the Department at the address below. [§19.705 of Regulation 19 and/or §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

Arkansas Department of Environmental Quality
Air Division
ATTN: Compliance Inspector Supervisor
5301 Northshore Drive
North Little Rock, AR 72118-5317

7. The permittee will test any equipment scheduled for testing, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, within the following time frames: (1) newly constructed or modified equipment within sixty (60) days of achieving the maximum production rate, but no later than 180 days after initial start-up of the permitted source or (2) existing equipment already operating according to the time frames set forth by the Department. The permittee must notify the Department of the scheduled date of compliance testing at least fifteen (15) days in advance of such test. The permittee must submit compliance test results to the Department within thirty (30) days after the completion of testing. [§19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

8. The permittee will provide: [§19.702 of Regulation 19 and or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

   a. Sampling ports adequate for applicable test methods;

   b. Safe sampling platforms;

   c. Safe access to sampling platforms; and

   d. Utilities for sampling and testing equipment.

9. The permittee will operate equipment, control apparatus and emission monitoring equipment within their design limitations. The permittee will maintain in good condition at all times equipment, control apparatus and emission monitoring equipment. [§19.303 of Regulation 19 and/or §18.1104 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

10. If the permittee exceeds an emission limit established by this permit, the permittee will be deemed in violation of said permit and will be subject to enforcement action. The Department may forego enforcement action for emissions exceeding any limits established by this permit provided the following requirements are met: [§19.601 of Regulation 19 and/or §18.1101 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

    a. The permittee demonstrates to the satisfaction of the Department that the emissions resulted from an equipment malfunction or upset and are not the result of negligence or improper maintenance, and the permittee took all reasonable measures to immediately minimize or eliminate the excess emissions.

b. The permittee reports the occurrence or upset or breakdown of equipment (by telephone, facsimile, or overnight delivery) to the Department by the end of the next business day after the occurrence or the discovery of the occurrence.

c. The permittee must submit to the Department, within five business days after the occurrence or the discovery of the occurrence, a full, written report of such occurrence, including a statement of all known causes and of the scheduling and nature of the actions to be taken to minimize or eliminate future occurrences, including, but not limited to, action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded, and to reduce the length of time for which said limits are exceeded. If the information is included in the initial report, the information need not be submitted again.

11. The permittee will allow representatives of the Department upon the presentation of credentials: [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

a. To enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of this permit;

b. To have access to and copy any records required to be kept under the terms and conditions of this permit, or the Act;

c. To inspect any monitoring equipment or monitoring method required in this permit;

d. To sample any emission of pollutants; and

e. To perform an operation and maintenance inspection of the permitted source.

12. The Department issued this permit in reliance upon the statements and presentations made in the permit application. The Department has no responsibility for the adequacy or proper functioning of the equipment or control apparatus. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

13. The Department may revoke or modify this permit when, in the judgment of the Department, such revocation or modification is necessary to comply with the applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated the Arkansas Water and Air Pollution Control Act. [§19.410(A) of Regulation 19 and/or §18.309(A) of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

14. This permit may be transferred. An applicant for a transfer must submit a written request for transfer of the permit on a form provided by the Department and submit the disclosure statement required by Arkansas Code Annotated §8-1-106 at least thirty (30) days in advance of the proposed transfer date. The permit will be automatically

transferred to the new permittee unless the Department denies the request to transfer within thirty (30) days of the receipt of the disclosure statement. The Department may deny a transfer on the basis of the information revealed in the disclosure statement or other investigation or, deliberate falsification or omission of relevant information. [§19.407(B) of Regulation 19 and/or §18.307(B) of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

15. This permit shall be available for inspection on the premises where the control apparatus is located. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

16. This permit authorizes only those pollutant emitting activities addressed herein. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

17. This permit supersedes and voids all previously issued air permits for this facility. [Regulation 18 and 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

18. The permittee must pay all permit fees in accordance with the procedures established in Regulation No. 9. [A.C.A §8-1-105(c)]

CERTIFICATE OF SERVICE

I, Pam Owen, hereby certify that a copy of this permit has been mailed by first class mail to Dassault Falcon Jet Corporation, PO Box 967, Little Rock, AR, 72203-0967, on this 19th day of December 2007.

Pam Owen

Pam Owen, AAII, Air Division