



**NEW SOURCE CONSTRUCTION PERMIT
and
MINOR SOURCE OPERATING PERMIT
INDIANA DEPARTMENT OF ENVIRONMENTAL
MANAGEMENT
OFFICE OF AIR QUALITY
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

**Hawker Beechcraft Services, Inc.
6821 Pierson Drive
Indianapolis, Indiana 46251**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

This permit is issued to the above-mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-5.1, 326 IAC 2-6.1 and 40 CFR 52.70 with conditions listed on the attached pages. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-6.1-6, applicable to those conditions.

Operation Permit No.: MSOP 097-18321-00518	
Issued by:	Issuance Date: May 3, 2007
Original Signed by Felicia A. Robinson	
Felicia A. Robinson Administrator Office of Environmental Services	Expiration Date: May 3, 2012



Air Quality Hotline: 317-327-4AIR | knozone.com

**Department of Public Works
Office of Environmental Services**

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and City of Indianapolis Office of Environmental Services (OES). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary aerospace vehicle maintenance center, which performs various maintenance tasks on aircraft.

Source Address: 6821 Pierson Drive, Indianapolis, Indiana 46251
 Mailing Address: 6821 Pierson Drive, Indianapolis, Indiana 46251
 General Source Phone: 317-241-2893
 SIC Code: 4581
 County Location: Marion
 Source Location Status: Non-attainment for PM 2.5 and Ozone under the 8-hr standard and attainment for all other criteria pollutants
 Source Status: Minor Source Operating Permit
 Minor Source, under PSD, Emission Offset and Nonattainment NSR;
 Minor Source, Section 112 of the Clean Air Act

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to construct and operate the following emissions units and pollution control devices:

(a) Sixteen (16) storage tanks identified as:

Storage Tanks ID	Product Stored	Type of Tank	Tank Volumes (Ft3)	Volumes (gal)	Date Installed
Stand A	Jet Fuel	Internal Floating Roof	113,825	840,000	1978
Stand B-East	Jet Fuel	UST	6,649	50,000	1978
Stand B-West	Jet Fuel	UST	6,649	50,000	1978
Stand C-01	Jet Fuel	UST	3,325	25,000	1978
Stand C-02	Jet Fuel	UST	3,325	25,000	1978
Stand C-03	Jet Fuel	UST	3,325	25,000	1978
Stand C-04	Jet Fuel	UST	3,325	25,000	1978
Stand C-05	Jet Fuel	UST	3,325	25,000	1978
Stand C-06	Jet Fuel	UST	3,325	25,000	1978
Stand C-07	Jet Fuel	UST	3,325	25,000	1978
Stand C-08	Jet Fuel	UST	3,325	25,000	1978
Stand C-09	Jet Fuel	UST	3,325	25,000	1978
Stand C-10	AV GAS	UST	3,325	25,000	1978
Stand C-11	Unleaded Gas	UST	2,660	20,000	1978
Stand C-12	Diesel	Variable Space	1,590	12,000	1978
Stand C-13	Prist	Variable Space	120	881	1978

(b) One (1) Binks paint booth, located in Hanger 2, identified as emission unit 01 painting miscellaneous metal parts using an air atomization spraying application system, with dry filters for particulate matter control, exhausting out of stack 59, installed in 1992.

(c) Fifty-seven (57) Space heaters, using natural gas-fired combustion sources with a total combined heat input equal to or less than ten million (10,000,000) Btu per hour.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

(a) This permit, 097-18321-00518, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(a) If IDEM, OAQ and OES, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

(a) Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM and OES, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

(b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the sources potential to emit, are enforceable by OES.

B.5 Severability

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information

(a) The Permittee shall furnish to IDEM, OAQ and OES, within a reasonable time, any information that IDEM, OAQ and OES may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ and OES copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Compliance Branch, Office of Air Quality
Indiana Department of Environmental Management
100 North Senate Avenue,
MC 61-53 IGCN 1003
Indianapolis, 46204-2251

and

Office of Environmental Services
Administration Building
2700 South Belmont Ave.
Indianapolis, IN 46221

- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and OES on or before the date it is due.

B.10 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003

Indianapolis, Indiana 46204-2251

and

Office of Environmental Services
Administration Building
2700 South Belmont Ave.
Indianapolis, IN 46221

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and OES. IDEM, OAQ and OES may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to 097-18321-00518 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least ninety (90) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.13 Permit Renewal [326 IAC 2-6.1-7]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and OES and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services
Administration Building

2700 South Belmont Ave.
Indianapolis, IN 46221

- (b) A timely renewal application is one that is:
- (1) Submitted at least ninety (90) days prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ and OES takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and OES any additional information identified as being needed to process the application.

B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

- (a) Permit amendments and revision are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- and
- Office of Environmental Services
Administration Building
2700 South Belmont Ave.
Indianapolis, IN 46221
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.15 Source Modification Requirement

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.16 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, and OES or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services
Administration Building
2700 South Belmont Ave.
Indianapolis, IN 46221

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.18 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, and OES within thirty (30) calendar days of receipt of a billing.
- (b) The Permittee may call the following telephone number: 317-327-2234 (ask for OES, Billing Section), to determine the appropriate permit fee.

B.19 Credible Evidence [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, and OES the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

C.8 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services
Administration Building
2700 South Belmont Ave.
Indianapolis, IN 46221

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

C.12 Instrument Specifications [326 IAC 2-1.1-11]

- (a) When required by any condition of this permit, an analog instrument used to measure a

parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.13 Response to Excursions or Exceedances

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]

C.15 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.16 General Record Keeping Requirements[326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.17 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services
Administration Building
2700 South Belmont Ave.
Indianapolis, IN 46221

- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due.
- (c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 EMISSIONS UNITS OPERATION CONDITIONS

Facility Description

Storage tanks for petroleum products consisting of the following:

(a) Sixteen (16) storage tanks identified as:

Storage Tanks ID	Product Stored	Type of Tank	Tank Volumes (Ft3)	Volumes (gal)	Date Installed
Stand A	Jet Fuel	Internal Floating Roof	113,825	840,000	1978
Stand B-East	Jet Fuel	UST	6,649	50,000	1978
Stand B-West	Jet Fuel	UST	6,649	50,000	1978
Stand C-01	Jet Fuel	UST	3,325	25,000	1978
Stand C-02	Jet Fuel	UST	3,325	25,000	1978
Stand C-03	Jet Fuel	UST	3,325	25,000	1978
Stand C-04	Jet Fuel	UST	3,325	25,000	1978
Stand C-05	Jet Fuel	UST	3,325	25,000	1978
Stand C-06	Jet Fuel	UST	3,325	25,000	1978
Stand C-07	Jet Fuel	UST	3,325	25,000	1978
Stand C-08	Jet Fuel	UST	3,325	25,000	1978
Stand C-09	Jet Fuel	UST	3,325	25,000	1978
Stand C-10	AV GAS	UST	3,325	25,000	1978
Stand C-11	Unleaded Gas	UST	2,660	20,000	1978
Stand C-12	Diesel	Variable Space	1,590	12,000	1978
Stand C-13	Prist	Variable Space	120	881	1978

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards

D.1.1 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the storage tanks, identified as emission Storage tank Stand A and any control devices.

New Source Performance Standards (NSPS) Requirements [326 IAC 2-6.1-5]

D. 1.2 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) The provisions of 40 CFR Part 60, Subpart A General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the storage tanks identified as Stand A described in this section except when otherwise specified in 40 CFR Part 60, Subpart K.

(b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
 Compliance Branch, Office of Air Quality
 100 North Senate Avenue,
 MC 61-53 IGCN 1003
 Indianapolis, Indiana 46204

and

Indianapolis OES
 Air Compliance
 2700 South Belmont Ave.
 Indianapolis, IN 46221

D. 1.3 Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 [40 CFR 60.110 Subpart K] [326 IAC 12-1]

Pursuant 40 CFR 60.110 Subpart K (Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978) the storage tank identified as Stand A, shall comply with the following:

§ 60.110 Applicability and designation of affected facility.

(a) Except as provided in §60.110(b), the affected facility to which this subpart applies is each storage vessel for petroleum liquids which has a storage capacity greater than 151,412 liters (40,000 gallons).

(c) Subject to the requirements of this subpart is any facility under paragraph (a) of this section which:

(1) Has a capacity greater than 151, 416 liters (40,000 gallons), but not exceeding 246,052 liters (65,000 gallons), and commences construction or modification after March 8, 1974, and prior to May 19, 1978.

(2) Has a capacity greater than 246,052 liters (65,000 gallons) and commences construction or modification after June 11, 1973, and prior to May 19, 1978.

[42 FR 37937, July 25, 1977, as amended at 45 FR 23379, Apr. 4, 1980]

§ 60.111 Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

(a) *Storage vessel* means any tank, reservoir, or container used for the storage of petroleum liquids, but does not include:

(1) Pressure vessels which are designed to operate in excess of 15 pounds per square inch gauge without emissions to the atmosphere except under emergency conditions,

(2) Subsurface caverns or porous rock reservoirs, or

(3) Underground tanks if the total volume of petroleum liquids added to and taken from a tank annually does not exceed twice the volume of the tank.

(b) *Petroleum liquids* means petroleum, condensate, and any finished or intermediate products manufactured in a petroleum refinery but does not mean Nos. 2 through 6 fuel oils as specified in ASTM D396-78, 89, 90, 92, 96, or 98, gas turbine fuel oils Nos. 2-GT through 4-GT as specified in ASTM D2880-78 or 96, or diesel fuel oils Nos. 2-D and 4-D as specified in ASTM D975-78, 96, or 98a. (These three methods are incorporated by reference—see §60.17.)

(c) *Petroleum refinery* means each facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum or through redistillation, cracking, extracting, or reforming of unfinished petroleum derivatives.

(d) *Petroleum* means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

(e) *Hydrocarbon* means any organic compound consisting predominantly of carbon and hydrogen.

(f) *Condensate* means hydrocarbon liquid separated from natural gas which condenses due to changes in the temperature and/or pressure and remains liquid at standard conditions.

(g) *Custody transfer* means the transfer of produced petroleum and/or condensate, after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.

(h) *Drilling and production facility* means all drilling and servicing equipment, wells, flow lines, separators, equipment, gathering lines, and auxiliary nontransportation-related equipment used in the production of petroleum but does not include natural gasoline plants.

(i) *True vapor pressure* means the equilibrium partial pressure exerted by a petroleum liquid as determined in accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating-Roof Tanks, Second Edition, February 1980 (incorporated by reference—see §60.17).

(j) *Floating roof* means a storage vessel cover consisting of a double deck, pontoon single deck, internal floating cover or covered floating roof, which rests upon and is supported by the petroleum liquid being contained, and is equipped with a closure seal or seals to close the space between the roof edge and tank wall.

(k) *Vapor recovery system* means a vapor gathering system capable of collecting all hydrocarbon vapors and gases discharged from the storage vessel and a vapor disposal system capable of processing such hydrocarbon vapors and gases so as to prevent their emission to the atmosphere.

(l) *Reid vapor pressure* is the absolute vapor pressure of volatile crude oil and volatile nonviscous petroleum liquids, except liquified petroleum gases, as determined by ASTM D323–82 or 94 (incorporated by reference—see §60.17).

[39 FR 9317, Mar. 8, 1974; 39 FR 13776, Apr. 17, 1974, as amended at 39 FR 20794, June 14, 1974; 45 FR 23379, Apr. 4, 1980; 48 FR 3737, Jan. 27, 1983; 52 FR 11429, Apr. 8, 1987; 65 FR 61755, Oct. 17, 2000]

§ 60.113 Monitoring of operations.

(d) The following are exempt from the requirements of this section:

(1) Each owner or operator of each affected facility which stores petroleum liquids with a Reid vapor pressure of less than 6.9 kPa (1.0 psia) provided the maximum true vapor pressure does not exceed 6.9 kPa (1.0 psia).

D. 1.4 Volatile Organic Compounds [40 CFR 60.110 Subpart K] [326 IAC 12-1] [326 IAC 8]

Any change or modification which may increase the vapor pressure of the liquids stored in tanks listed in D.1 may need prior approval in order to comply with 326 IAC 8 (Volatile Organic Compound Rules) and/or 40 CFR 60.110 Subpart K and 326 IAC 12-1.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description

- (b) One (1) Brinks paint booth, located in Hanger 2, identified as emission unit 01 painting miscellaneous metal parts using an air atomization spraying application system, with dry filters for particulate matter control, exhausting out of stack 59, installed in 1992.
- (c) Fifty-seven (57) Space heaters, using natural gas-fired combustion sources with a total combined heat input equal to or less than ten million (10,000,000) Btu per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards

D.2.1 Particulate emission limitations, work practices, and control technologies [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2 (Process Operations), the allowable particulate matter emissions rate from the paint booth, 01 shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, subject to the following:

- (a) The source shall operate the control device in accordance with the manufacturer's specifications.
- (b) If the overspray is visibly detected at the exhaust or accumulates on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
 - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

If overspray is visibly detected, the source shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the Brinks paint booth, identified as emission unit 01 and any control devices.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

And

INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

**MINOR SOURCE OPERATING PERMIT (MSOP)
CERTIFICATION**

Source Name: Hawker Beechcraft Services, Inc.
Source Address: 6821 Pierson Drive Indianaoilis, Indiana 46251
Mailing Address: 6821 Pierson Drive Indianaoilis, Indiana 46251
MSOP No.: 097-18321-00518

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Notification
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
And
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name: Hawker Beechcraft Services, Inc.
Address: 6821 Pierson Drive
City: Indianapolis
Phone #: 241-2893
MSOP #: 097-18321-00518

I hereby certify that Hawker Beechcraft Services, Inc. is still in operation.
 no longer in operation.

I hereby certify that Hawker Beechcraft Services, Inc. is in compliance with the requirements of MSOP **097-18321-00518**.
 not in compliance with the requirements of MSOP **097-18321-00518**.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-6865
And
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
MINOR SOURCE OPERATING PERMIT**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMIT LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF >MALFUNCTION= AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY: _____ PHONE NO. () _____
LOCATION: (CITY AND COUNTY) _____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP: _____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: _____

DATE/TIME MALFUNCTION STARTED: ____/____/20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: _____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____

INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

MALFUNCTION REPORTED BY: _____ TITLE: _____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

**Please note - This form should only be used to report malfunctions
applicable to Rule 326 IAC 1-6 and to qualify for
the exemption under 326 IAC 1-6-4.**

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

**Indiana Department of Environmental Management
Office of Air Quality
and
City of Indianapolis
Office of Environmental Services**

Addendum to the Technical Support Document
for a Minor Source Operating Permit (MSOP)

Source Name:	Hawker Beechcraft Services, Inc.
Source Location:	6821 Pierson Drive, Indianapolis, Indiana 46251
County:	Marion
SIC Code:	4581
Operation Permit No.:	097-18321-00518
Permit Reviewer:	Warner Myron Waters

On March 12, 2007, the Office of Air Quality (OAQ) and the Office of Environmental Services (OES) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Hawker Beechcraft Services, Inc. had applied for a Minor Source Operating Permit (MSOP) to operate a stationary aerospace vehicle maintenance center, which performs various maintenance tasks on aircraft. The notice also stated that OAQ and OES proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On April 02, 2007 Hawker Beechcraft Services, Inc. submitted comments on the draft MSOP. Upon further review, the OAQ and OES have decided to make the following revisions to the MSOP. The TSD will remain as it originally appeared when published. Changes to the permit or technical support material that occur after the permit has published for public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision. Bolded language has been added and the language with strikethrough has been deleted throughout the permit.

The comments and responses, including changes to the permit, are as follows:

Comment 1:

On March 26, 2007 Raytheon Aircraft Services in Indianapolis, Indiana name was changed to Hawker Beechcraft Services, Inc.

IDEM and OES Response 1:

Throughout the permit the Permittee's name has been changed from ~~Raytheon Aircraft Services~~ to **Hawker Beechcraft Services, Inc.**

IDEM and OES have also made the following changes:

IDEM and OES Change 1:

IDEM has decided to include Mail Codes in their mailing addresses. The following changes have been made throughout the permit:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

**Indiana Department of Environmental Management
Office of Air Quality
and
Indianapolis Office of Environmental Services**

Technical Support Document (TSD) for a Minor Source Operating Permit (MSOP)

Source Background and Description

Source Name:	Raytheon Aircraft Services, Inc.
Source Location:	6821 Pierson Drive, Indianapolis, Indiana 46251
County:	Marion
SIC Code:	4581
Operation Permit No.:	097-18321-00518
Permit Reviewer:	Warner Myron Waters

The Office of Air Quality (OAQ) and Indianapolis Office of Environmental Services (OES) have reviewed an application from Raytheon Aircraft Services. relating to the construction and operation of a stationary aerospace vehicle maintenance center, which performs various maintenance tasks on aircraft.

Unpermitted Emission Units and Pollution Control Equipment

The source consists of the following unpermitted emission units:

(a) Sixteen (16) storage tanks identified as:

Storage Tanks ID	Product Stored	Type of Tank	Tank Volumes (Ft3)	Volumes (gal)	Date Installed
Stand A	Jet Fuel	Internal Floating Roof	113,825	840,000	1978
Stand B-East	Jet Fuel	UST	6,649	50,000	1978
Stand B-West	Jet Fuel	UST	6,649	50,000	1978
Stand C-01	Jet Fuel	UST	3,325	25,000	1978
Stand C-02	Jet Fuel	UST	3,325	25,000	1978
Stand C-03	Jet Fuel	UST	3,325	25,000	1978
Stand C-04	Jet Fuel	UST	3,325	25,000	1978
Stand C-05	Jet Fuel	UST	3,325	25,000	1978
Stand C-06	Jet Fuel	UST	3,325	25,000	1978
Stand C-07	Jet Fuel	UST	3,325	25,000	1978
Stand C-08	Jet Fuel	UST	3,325	25,000	1978
Stand C-09	Jet Fuel	UST	3,325	25,000	1978
Stand C-10	AV GAS	UST	3,325	25,000	1978
Stand C-11	Unleaded Gas	UST	2,660	20,000	1978
Stand C-12	Diesel	Variable Space	1,590	12,000	1978
Stand C-13	Prist	Variable Space	120	881	1978

(b) One (1) Binks paint booth, located in Hanger 2, identified as emission unit 01 painting miscellaneous metal parts using an air atomization spraying application system, with dry filters for particulate matter control, exhausting out of stack 59, installed in 1992.

(c) Fifty-seven (57) Space heaters, using natural gas-fired combustion sources with a total combined heat input equal to or less than ten million (10,000,000) Btu per hour.

Enforcement Issue

- (a) IDEM and OES are aware that equipment have been constructed and operated prior to receipt of the proper permit. The subject equipment is listed in this Technical Support Document under the condition entitled "Unpermitted Emission Units and Pollution Control Equipment".
- (b) IDEM and OES are reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.
- (c) IDEM and OES are aware that the source did not apply for a MSOP in a timely manner. OES is reviewing this matter and will take appropriate action.

Recommendation

The staff recommends to the Commissioner that the operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on October 31, 2003 and additional information submitted on April 15, 2004.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 5).

Potential to Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit (PTE) is defined as "the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, the department, or the appropriate local air pollution control agency."

Pollutant	Potential to Emit (tons/yr)
PM	0.03972
PM-10	0.09568
SO ₂	0.006
VOC	89.18
CO	0.4
NO _x	1.0

HAPs	Potential to Emit (tons/yr)
Xylene	0.001
Hexane	0.018
Toluene	0.002
Ethyl Benzene	0.00007
Hexamethylene	0.00049
Glycol Ethers	0.00248
Combined HAPs	Less than 1

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC's are greater than 25 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A MSOP will be issued.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not subject to 326 IAC 2-7.

County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM-2.5	Non-attainment
PM-10	Attainment
SO ₂	Maintenance attainment
NO ₂	Attainment
8-hour Ozone	Basic nonattainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (b) Marion County has been classified as nonattainment for PM_{2.5} in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as surrogate for PM_{2.5} emissions, pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (c) Marion County has been classified as attainment or unclassifiable in Indiana for PM₁₀, SO₂, NO₂, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision revoking the one-hour ozone standard in Indiana.

Source Status

New Source PSD Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	Less than 1
PM-10	Less than 1
SO ₂	Less than 1
VOC	Less than 100
CO	Less than 1
NO _x	1.0
Single HAP	Less than 1
Combination HAPs	Less than 1

- (a) The new source is not a major stationary source for Emission Offset because VOC and NOx are not emitted at a rate of 100 tons/yr or greater.
- (b) This new source is not a major stationary source because no attainment pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This new source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons per year.

This is the first air approval issued to this source.

Federal Rule Applicability

40 CFR 60, Subpart K and 326 IAC 12 (Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978)

Storage tank Stand A located at this source is subject to New Source Performance Standard (NSPS), 40 CFR 60.110, Subpart K (Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978), because the affected facility to which this subpart applies is a storage vessel for petroleum liquids which has a storage capacity greater than 151,412 liters (40,000 gallons). However, due to the true vapor pressure of the petroleum liquid being less than 1.0 psia Storage tank Stand A shall not be subject to 40 CFR 60.112 or 40 CFR 60.113. Pursuant to Table 7.1-2 "PROPERTIES (M_v, W_{vc}, P_{va}, W_L) OF SELECTED PETROLEUM LIQUIDS" from AP-42 jet fuel stored at this source has a true vapor pressure less than 1 psia.

Nonapplicable portions of the NSPS will not be included in the permit. Storage tank Stand A is subject to the following portions of Subpart K.

- (1) 40 CFR 60.110(a)
- (2) 40 CFR 60.110(c)(1)
- (3) 40 CFR 60.110(c)(2)
- (4) 40 CFR 60.111
- (5) 40 CFR 60.113(d)(1)

40 CFR Part 60, Subpart Ka (Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984)

- (a) Storage tanks Stand C-01, Stand C-02, Stand C-03, Stand C-04, Stand C-05, Stand C-06, Stand C-07, Stand C-08, Stand C-09, Stand C-10, Stand C-11, Stand C-12 and Stand C-13 are not subject to the NSPS 40 CFR 60, Subpart Ka (New Source Performance Standards Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984) because the capacities are less than 40,000 gallons.
- (b) The requirements of subpart Ka were not included in this permit for tanks Stand B-East and Stand B-West. Although they have capacities greater than 40,000 gallons, they were constructed prior to the applicability date of May 18, 1978.

40 CFR Part 60 Subpart Kb (New Source Performance Standard)

The requirements of subpart Kb New Source Performance Standard, 40 CFR Part 60 were not included in this permit, because all sixteen (16) storage tanks were constructed prior to the applicability date of July 23, 1984.

No National Emission Standards for Hazardous Air Pollutants, 326 IAC 14, 326 IAC 20, 40 CFR 61 or 40 CFR 63 are included in this permit because the potential to emit HAPs are less than the major source thresholds.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) and
326 IAC 2-3 (Emission Offset)

This existing source is not a major stationary source for PSD purposes because no attainment regulated pollutant emissions are equal to or greater than two hundred fifty (250) tons per year and this source is not one of the 28 listed source categories under 326 IAC 2-2. No nonattainment criteria pollutant emissions are equal to or greater than one hundred (100) tons per year. Therefore it is not a major source for Emission Offset.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants)

The coating operation, identified as EU 01, is not subject to the requirements of 326 IAC 2-4.1 because it was constructed prior to the applicability date of July 1997. Also the potential to emit (PTE) from the coating operation is less than 10 tons of any single HAP and less than 25 tons of any combined HAP's.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1(a)(1), (2), and (3), this source is not subject to 326 IAC 2-6 (Emission Reporting) because, as an MSOP source, it is not required to have an operating permit under 326 IAC 2-7, it does not emit lead into the ambient air at levels equal to or greater than five (5) tons per year, and it is not located in Lake or Porter Counties. However, pursuant to 326 IAC 2-6-1(b), as a permitted source in Indiana, it is subject to 326 IAC 2-6-5 (Additional Information Requests).

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in the permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

State Rule Applicability – Individual Facilities

326 IAC 6.5-1-1 Applicability

The source does not have the potential to emit one hundred (100) tons or more of PM, has actual emissions of less than ten (10) tons of particulate matter per year and the facility is not listed under 326 IAC 6.5-6. Therefore 326 IAC 6.5-1 does not apply to this source.

326 IAC 6-3-2 (Particulate Emission Limitations)

Pursuant to 326 IAC 6-3-2(d) (Particulate Emission Limitations), surface coating shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, subject to the following:

- (a) The source shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (1) Repair control device so that no oversprays is visibly detectable at the exhaust or accumulates on the ground.
 - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

If overspray is visibly detected, the source shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

326 IAC 8-1-6 (General VOC Reduction for New Facilities)

326 IAC 8-1-6 does not apply to the Binks paint booth, located in Hanger 2, identified as emission unit 01 and constructed in 1992 because the potential to emit any VOC is less than 25 tons per year. Further, none of the tanks have the potential to emit 25 tons of VOCs per year, individually.

326 IAC 8-2-9 (Miscellaneous Metal Coating Operations)

326 IAC 8-2-9 does not apply to the paint booth, since the airplane parts and products do not match the types listed in the rule and the SIC (4581) does not match the industrial categories covered under this rule.

326 IAC 8-4-3 (Volatile Organic Compounds)

This rule does not apply to this source because, although it is located in Marion County and has petroleum liquid storage vessels with capacities greater than one hundred fifty thousand (150,000) liters thirty-nine thousand (39,000) gallons, the source has certified that it does not contain volatile organic compounds whose true vapor pressure is greater than 10.5 kPa (1.52 psi). Pursuant to Table 7.1-2 "PROPERTIES (M_v , W_{vc} , P_{va} , W_L) OF SELECTED PETROLEUM LIQUIDS" from AP-42 the jet fuel stored at the source has a true vapor pressure less than 1 psia.

Conclusion

The operation of this stationary aerospace vehicle maintenance center shall be subject to the conditions of the Minor Source Operating Permit 097-18321-00518.

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Hawker Beechcraft Services, Inc.
Address City IN Zip: 6821 Pierson Dr. Indianapolis Indiana
M 097-18321-00518
Permit Reviewer: Warner M Waters
5-12-04

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % EthylBenzene	Weight % Hexamethylene	Weight % Glycol Ethers	Weight % Methanol	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	Ethyl Benzene Emissions (ton/yr)	Hexamethylene Emissions (ton/yr)	Glycol Ethers Emissions (ton/yr)	Methanol Emissions (ton/yr)
Beech white	14.3	0.250000	0.0030	0.00%	0.00%	0.15%	0.00%	0.0000%	0.0000%	0.000000	0.000000	0.00007140	0.00000000	0.00000000	0.00000000
Epoxy primer	10.8	0.250000	0.0030	3.00%	7.00%	0.00%	0.00%	7.0000%	0.0000%	0.001064	0.002483	0.00000000	0.00000000	0.00248346	0.00000000
Converter	9.28	0.250000	0.0030	0.00%	0.00%	0.00%	1.60%	0.0000%	0.0000%	0.000000	0.000000	0.00000000	0.00048776	0.00000000	0.00000000
Activator	7.21	0.250000	0.0030	0.00%	0.00%	0.00%	0.00%	0.0000%	0.0000%	0.000000	0.000000	0.00000000	0.00000000	0.00000000	0.00000000
MEK	6.63	0.250000	0.0030	0.00%	0.00%	0.00%	0.00%	0.0000%	0.0000%	0.000000	0.000000	0.00000000	0.00000000	0.00000000	0.00000000

Total State Potential Emissions 0.00106 0.00248 0.00007 0.00049 0.00248 0.00000

METHODOLOGY

Total 0.00659

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 l

Storage Tanks

Company Name: Hawker Beechcraft Services, Inc.
 Address City IN Zip: 6821 Pierson Dr. Indianapolis Indiana
 Permit Number: M 097-18321-00518
 Reviewer: Warner Myron Waters
 Date: 5-12-04

Storage Tanks ID	Product Stored	Type of Tank	Tank Volumes (Ft3)	Tank Volumes (gal)	Date Installed
Stand A	Jet Fuel	Internal Floating Roof	113,825	840,000	1978
Stand B-East	Jet Fuel	UST	6,649	50,000	1978
Stand B-West	Jet Fuel	UST	6,649	50,000	1978
Stan C-01	Jet Fuel	UST	3,325	25,000	1978
Stan C-02	Jet Fuel	UST	3,325	25,000	1978
Stan C-03	Jet Fuel	UST	3,325	25,000	1978
Stan C-04	Jet Fuel	UST	3,325	25,000	1978
Stan C-05	Jet Fuel	UST	3,325	25,000	1978
Stan C-06	Jet Fuel	UST	3,325	25,000	1978
Stan C-07	Jet Fuel	UST	3,325	25,000	1978
Stan C-08	Jet Fuel	UST	3,325	25,000	1978
Stan C-09	Jet Fuel	UST	3,325	25,000	1978
Stan C-10	AV GAS	UST	3,325	25,000	1978
Stan C-11	Unleaded Gas	UST	2,660	20,000	1978
Stan C-12	Diesel	Variable Space	1,590	12,000	1978
Stan C-13	Prist	Variable Space	120	881	1978

Storage Tanks ID	Tank Volumes (gal)	Turnovers	Throughput (Gal)	Working Loss	Working Loss Lbs/1000 gal	Breathing Loss
Stand A	840,000	57.14	40000000	204	0.0051	512
Stand B-East	50,000	402.14	20000000	9227.9	0.461395	9,307
Stand B-West	50,000	400	20000000	9243.16	0.462158	17,790
Stan C-01	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-02	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-03	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-04	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-05	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-06	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-07	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-08	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-09	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-10	25,000	13.33	333333	637.4584	1.912377112	0
Stan C-11	20,000	6	120000	791.68	6.597333333	0
Stan C-12	12,000	10	120000	1.81	0.015083333	2
Stan C-13	881	2	1764	0	0	0
			83575094	25843.134		18,302
Maximum Product throughput (gal/yr)				83,575,094.00		
Maximum working loss (lbs/1000 gal)				1.912377112		
Maximum emissions from Working Loss (lbs/yr)				159827.0969		
Breathing Loss for Product, (lbs/yr)				18,302.18		
Total Emissions from Product (tons/yr)				89.06463847		

The US EPA TANKS4 program was used to estimate the breathing and working losses from each tank

For each Tank, the withdrawal loss was then divided by the throughput that was placed in the TANKS4 program to determine the worst case unit working loss (lbs/1000 gallons)

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**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Residential Furnaces**

Company Name: Hawker Beechcraft Services, Inc.
Address City IN Zip: 6821 Pierson Dr. Indianapolis Indiana
Permit Number: M097-18321-00518
Reviewer: Warner Myron Waters
Date: 5-12-04

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

2.2

19.6

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	40.0
Potential Emission in tons/yr	0.01864	0.0746	0.0059	1.0	0.1	0.4

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See page 2 for HAPs emissions calculations.

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Residential Furnaces

HAPs Emissions

Company Name: Hawker Beechcraft Services, Inc.
Address City IN Zip: 6821 Pierson Dr. Indianapolis Indiana
Permit Number: M097-18321-00518
Reviewer: Warner Myron Waters
Date: 5-12-04

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	2.060E-05	1.177E-05	7.358E-04	1.766E-02	3.336E-05

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	4.906E-06	1.079E-05	1.374E-05	3.728E-06	2.060E-05

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.