



Department of the Air Force
HQ AEDC (AFMC)
Arnold AFB, TN 37389

Safety, Health, and Environmental Standard

Title: AIR QUALITY MANAGEMENT

No.: E8

Effective Date: 11/01/2014

Releasability: There are no releasability restrictions on this publication.

The provisions and requirements of this standard are mandatory for use by all AEDC personnel engaged in work tasks necessary to fulfill the AEDC mission. Please contact your safety, industrial health and/or environmental representative for clarification or questions regarding this standard.

Approved:

Contractor/ATA Director
Safety, Health and Environmental

Air Force Functional Chief

SHE Std. E8, Air Quality Management

Record of Review/Revision

(Current revisions are highlighted in yellow and marked with a vertical line in the right margin.)

Date/POC	Description
10/7/14 Jeff Holt	Updated Air Force office symbols and other minor administrative changes.
03/26/13	Added NFAC supplement; no other change.
12/05/11 Jeff Holt	Updated Air Force office symbols and POCs. Added section describing duties of Source Owners.
11/30/10 Jeff Holt	Annual review. Updated source assignments are located on the Environmental Home Page under <i>Air Quality</i> at https://aedcgisweb.arnold.af.mil/enviro/ as stated in Para. 4.5. Added Para. 5.0 <i>Training Requirements</i> and 6.0 <i>Inspections/Audits</i> , per revised format structure. (In the 2009 edition, training was addressed in Para. 4.11 and inspections in Para. 4.12.)
10/23/09 Bill McEntee	Annual review. Updated Annex A. Updated source assignments are located on the Environmental Home Page under <i>Air Quality</i> at https://aedcgisweb.arnold.af.mil/enviro/ as stated in Para. 4.5.
11/05/08 Bill McEntee	Annual review performed with updated organizational changes noted throughout and in Annexes A, B, and C. Updated source assignments are located on the Environmental Home Page under <i>Air Quality</i> at https://aedcgisweb.arnold.af.mil/enviro/ as stated in Para. 4.5.
11/01/07 Bill McEntee	Annual review performed with no changes needed. Updated source assignments are located on the Environmental Home Page under <i>Air Quality</i> at https://aedcgisweb.arnold.af.mil/enviro/ as stated in Para. 4.5.
11/01/06 Bill McEntee	Annual review performed with updated organizational changes noted throughout and in Annexes A, B, and C. Changed all references from contractor Environmental Compliance to <i>Environmental Quality</i> . Changed the name of the Environmental Protection Committee to the <i>Environmental, Safety, and Occupational Health Council</i> . Updated source assignments effective 1 August 2006 (list located on the Environmental Home Page as stated in Para. 4.5). Deleted the requirement for AEDC Environmental Flight and contractor Environmental Quality to develop operational checklists; this is a source requirement. Deleted the AF records retention requirements in Para. 3.0. Identified the 704th Maintenance Group commander as the source owner for all permitted air sources in Para. 3.0. The requirement for the source manager to be appointed by the AEDC Commander or according to the AFMC SOP was removed from Para. 3.0 and 4.5.
07/01/05 Bill McEntee	Updated source assignments are located on the Environmental Home Page under <i>Air Quality</i> at https://aedcgisweb.arnold.af.mil/enviro/ as stated in Para. 4.5. Existing assignments (formerly Annex A) will now be permanently posted at that location and not in the standard. With this change, Annex B is now Annex A, Annex C becomes Annex B, and Annex D becomes Annex C. References to Annex A source assignments have been removed from Para. 4.4 and 5.
12/17/04 Bill McEntee	Updated source assignments in Annex A. Moved sources 14, 17, 18, and 42 from the Support Directorate to the Maintenance Directorate in Annex A. Also in Annex A, changed the name of HazMat Pharmacy to <i>Hazardous Dispensing Facility</i> as requested by AEDC/SDL.
06/18/04 Bill McEntee	Updated source assignments in Annex A. Additionally, sources 1, 2, 3, 4, and 45 were moved from the Support Directorate to the Maintenance Directorate in Annex A.
01/30/04 Bill McEntee	The LOA was deleted and incorporated into body of standard to include new personnel changes. Updated format per revised COI 91-5. Changed references to ESHQ to Environmental Branch.
03/15/03 Bill McEntee	Updated List of Annexes (LOA).
6/18/02 Bill McEntee	Added the Title V Operating Permit throughout the standard. Updated the LOA to include new personnel changes and ODS sources. Eliminated Source # 21, 22, 38, 49, 55, 41 and 50; changed Source #48 to #01; added US Army in Para. 6.1.1. Added references to ODS sources to the definitions in Para. 3.0 (n) and (o).
12/19/01 Bill McEntee	Updated List of Annexes (LOA).
05/25/00 Bill McEntee	LOA updated without a source alternate for Aeropulsion Systems Test Division (Source #s 19, 31, 41, 53, 54, 56, and 66).
03/15/00 Bill McEntee	Reformatted standard according to COI 91-5 direction. Split "List of Annexes" (LOA) into a separate document to enable periodic updates.



Safety, Health, and Environmental Standard

AIR QUALITY MANAGEMENT

1.0 INTRODUCTION/SCOPE/APPLICABILITY

- 1.1 Operations performed at AEDC utilize a variety of test facilities, heaters, and other sources which may generate air contaminants through combustion processes or through release of fugitive emissions. The United States Environmental Protection Agency (USEPA) and/or the state of Tennessee, through the Tennessee Department of Environment and Conservation (TDEC), regulate the type and amount of air pollutants that an activity can generate. USEPA and TDEC regulate by placing limitations upon facilities through the requirement to obtain construction and operating permits for each source.
- 1.2 This standard establishes requirements for the implementation and management of regulated air pollution sources at AEDC. It implements the *Clean Air Act Amendments of 1990*, the AFMC Standard Operating Procedure (SOP) *Air Quality Stationary Source Management* dated 8 November 1996, the AFI 32-7040 *Air Quality Compliance*, and the *AEDC Title V Operating Permit* dated 1 December 2010.
- 1.3 This standard applies to all AEDC military, civilian, and contractors assigned to accomplish work at AEDC.

2.0 BASIC HAZARDS/HUMAN FACTORS

2.1 Basic Hazards

- 2.1.1 Working around air sources presents a range of safety hazards typically found in an industrial area. When air sources are operating, personnel can be potentially exposed to noise from turbine or rocket engines, thermal burns from heaters, heat or cold stress, chemical hazards, eye hazards, head or foot injuries, falling objects, oxygen deficiency, confined spaces, and so forth.
- 2.1.2 Environmental hazards include potential exposure to air pollutants such as volatile organic compounds, nitrous oxides, sulfur dioxides, lead, particulate matter, and any of the hazardous air pollutants.

2.2 Human Factors

Workers must follow established procedures and be familiar with the Job Safety Analysis (JSA) for the tasks at hand. Failure to follow the JSA could result in personal injury and/or equipment damage.

3.0 DEFINITIONS

Air Contaminant – Any particulate matter, gas, mist, or combination thereof, other than water vapor or natural air.

Air Pollution – The presence of contaminant or pollutant substances in concentrations that interfere with human health and welfare or produce other harmful environmental effects. Any air pollution agent or combination of such agents, including any physical, chemical, biological, radioactive (including source material, special nuclear and by-product material) substances or matter, that is emitted into or otherwise enters the ambient air.

Air Quality Standards – As prescribed by regulations, the level of pollutants that may not be exceeded during a specific time in a defined area.

Base Operating Contractor – A long-term contractor directly accountable to the Air Force for the AEDC mission.

Certification – A written document generated by the Source Manager to the AEDC Commander. The document certifies that their source was operated in compliance with all existing EPA/state of Tennessee regulations during the specified compliance period.

Checklist – A written list of items to be accomplished during an operation or evaluated during an inspection.

Criteria Pollutant – Air pollutants for which national ambient air quality standards (NAAQS) have been established. Criteria pollutants include particulate matter, carbon monoxide, sulfur dioxide, nitrogen oxides, ozone, and lead.

Emission – Any discharge of an air pollutant as defined in the Clean Air Act Amendments (CAAA) of 1990, Section 302(g). Emissions can be discharged into the atmosphere from smokestacks, from other vents, from surface areas of commercial or industrial facilities, from residential chimneys, and/or from the exhausts of motor vehicles, locomotives, or aircraft.

Emission Inventory – A detailed listing, by source and type, of air pollutants and their estimated quantities emitted into the atmosphere.

Environmental Quality (Contractor) – The **base operating** contractor office or organization responsible for air quality compliance.

Environmental, Safety, and Occupational Health Council (ESOHC) – The AEDC committee that ensures a systematic interdisciplinary approach to achieve and maintain environmental quality, including air quality compliance.

Hazardous Air Pollutants (HAP) – Those substances listed in the Clean Air Act Amendments of 1990 (Title III, Section 301), as well as any added or deleted by EPA or the state of Tennessee, that have been identified as a serious threat to human health or the environment.

Installation Management Flight (AEDC/TSDCI) – The Air Force office or organization responsible for managing the **Complex's** environmental issues, including air quality compliance and emission reduction related issues.

Monitoring – Periodic or continuous surveillance or testing to determine the level of compliance with statutory requirements and/or pollutant levels in various media or in humans, animals, and other living things.

New Source – Any stationary source that is built or modified after the publication of final or proposed regulations that prescribe a standard of performance intended to apply to that type of emission source. Includes all ozone depleting substance (ODS) units with a charge greater than 50 pounds which are regulated in Title VI of the Clean Air Act and identified in the Title V Operating Permit.

Operating Conditions – These are special terms and conditions set forth in the Title V Operating Permit or otherwise described in the federal/state or local regulations affecting the source type. Adherence to the special terms and operating conditions is mandatory. Failure to comply may lead to civil and/or criminal enforcement action. ODS sources are required to comply with 40 CFR Part 82 regulations.

Prevention of Significant Deterioration (PSD) – EPA program in which state and/or federal permits restrict emissions for new or modified sources in places where air quality is already better than required to meet primary and secondary ambient air quality standards.

Records – All documentation relevant to demonstrating past and present compliance with environmental regulations pertaining to the source. Inspection reports, commander certifications, pollutant calculations, source operating times, and fuels analysis records are typical records maintained. Includes electronic, paper, and any other format used for documentation. Records shall be maintained for the minimum amount of time specified in the AEDC Title V Permit or as specified in TDEC Air Quality regulations.

Source Manager – Air Force, Army, or Navy source owner responsible for assigned air emission stationary source(s). The individual(s) is typically the Air Force Cost Center Manager. Also referred to as the manager or air source manager.

Source Monitor – The **base operating** contractor responsible for the daily operation of the source. May be two or more individuals assigned to each source if needed.

Source Owner – The respective Two-Letter/Unit Commander has ownership and control over all existing or new air emissions sources, with specific duties identified in this standard, the AFMC SOP, and/or existing air quality permits issued by the TDEC.

Source Support – The **base operating** contractor source support person, lead person, or person assigned to operate a particular air emissions source on a regular basis. May be two or more individuals assigned to each source if needed.

Stationary Source – A fixed-site producer of pollution. Examples include power plants and other facilities using industrial combustion processes, paint spray booths, fuel storage tanks, solvent cleaning facilities, engine testing in wind tunnels, etc.

TDEC – Tennessee Department of Environment and Conservation **is** the state regulatory agency responsible for management and enforcement of the Clean Air Act and Title V air quality operating permit.

Titles I-VII – The titles of the Clean Air Act Amendments of 1990 are as follows:

- Title I - Provisions for Attainment and Maintenance of National Ambient Air Quality Standards
- Title II - Provisions Relating to Mobile Sources
- Title III - Hazardous Air Pollutants (Air Toxics)
- Title IV - Acid Deposition Control
- Title V - Permits
- Title VI - Stratospheric Ozone and Climate Protection
- Title VII - Provision Relating to Enforcement

Volatile Organic Compound (VOC) – Any organic compound that participates in atmospheric photochemical reactions except for those designated by EPA as having negligible photochemical reactivity.

4.0 REQUIREMENTS/RESPONSIBILITIES

4.1 This Safety, Health, and Environmental standard assigns responsibility for operation, reporting, certification, recordkeeping, training, and management of each air quality source at AEDC according to the AFMC SOP *Air Quality Stationary Source Management*.

4.2 All activities that operate, modify, demolish, or construct stationary sources will obtain and periodically renew construction or operating permits as required by federal or state air pollution control agencies. The operating permits program (Title V) is a particularly important part of the *Clean Air Act Amendments of 1990*. ***Do not construct or operate a source subject to this program without the required permit or other than in specific compliance with the terms of the permit.*** To do otherwise is a violation of federal and state criminal law. The goal of Title V is to have states issue federally enforceable operating permits for identified stationary air emission sources. The permits are designed to enhance the ability of the EPA, state, and local regulatory agencies, and private citizens to monitor and enforce the Clean Air Act requirements. Failure to comply with any aspect of the compliance plan or permit can be grounds for an enforcement action.

4.3 All new or modified major sources, that have the potential to emit a pollutant equal to or greater than the amounts specified by the PSD threshold, must be approved by the TDEC/EPA prior to construction of the source. All new sources or modifications that do not meet PSD thresholds must be processed through the Title V construction permit process at TDEC. Changes or modifications to Title V permitted sources must be processed as a permit modification prior to implementing any proposed change. Any such permit modification must be obtained prior to starting any new construction or modifying an existing source.

4.4 All sources will have an Air Force source owner, manager, and alternate appointed. The **base operating** contractor will appoint a source monitor and source support person. The listing of Air Force source managers/alternates and contractor personnel appointed for existing sources are located on the Environmental Home Page under *Air Quality* at <https://aedcgisweb.arnold.af.mil/enviro/>. Compliance notification, certification, and annual fee assessment will be accomplished according to the flow charts at Annexes A, B, and C.

4.5 Source Owner Responsibilities

The source owner should insure all new sources are included in the AEDC Title V Operating Permit before construction or installation begins. AEDC will not be allowed to operate permitted air sources if source owners, operators, monitors and those responsible for them do not comply with the conditions and requirements of our Title V air quality operating permit.

4.5.1 Appoint a source Manager and Alternate for each stationary air emission source and provide AEDC/TSDCI with a copy of the appointment letter.

4.5.2 Ensure compliance with all activities associated with their respective sources, and provide AEDC/TSDCI of the compliance status of each source.

4.5.3 Modify their Manager's and Alternate's Employee Position Description to incorporate responsibilities related to source compliance including reporting to AEDC/TSDCI.

4.6 Source Manager Responsibilities

The source manager is the United States Air Force, Army, or Navy person responsible for the assigned air quality source. The source manager should coordinate with the **Installation** Management Section (AEDC/TSDCI) staff in all matters of air quality stationary source management involving their assigned air source. The source manager ensures the source is operated in regulatory compliance. He/she is responsible for all compliance activities associated with the assigned air source as well as the bi-annual certification on the compliance status of their assigned air source(s) to the AEDC Center Commander (AEDC/CC) through **Installation** Management Section. The source manager shall:

4.6.1 Notify the AEDC/CC and AEDC/TSDCI within 24 hours of a noncompliant permit condition. Each source will have specific operating permit conditions such as emission rates, type and amount of fuel usage, operating hours, recordkeeping requirements, etc.

4.6.2 Ensure that all source operators, monitors, and support personnel are trained or certified as required in the *Clean Air Act*, AFMC SOP, and TDEC regulations.

4.6.3 Ensure that fuel samples or input feed products, such as paint, are obtained as required to demonstrate compliance.

4.6.4 Provide timely and complete reports to AEDC/TSDCI to demonstrate compliance with reporting requirements associated with each air source.

- 4.6.5 Ensure that appropriate monitoring and recordkeeping is accomplished in accordance with the stationary source checklist and as described in the operating permit.
- 4.6.6 Draft and implement a corrective action plan of all noncompliant discrepancies identified. The plan is sent to AEDC/TSDCI and AEDC/CC.
- 4.6.7 Develop an operational checklist to aid in compliance in consultation with AEDC/TSDCI.
- 4.6.8 Ensure control devices specified in the permit application or permit are maintained in good operating order so emission standards are not violated. Failure to install/maintain required control equipment may be interpreted as a violation of the permit conditions.
- 4.6.9 Identify requirements, budgets, and obtain funds for the control equipment installation and maintenance.
- 4.6.10 Identify requirements, budgets, and obtain funds for training of all source personnel.

4.7 Source Monitor Responsibilities

The source monitor is the **base operating** contractor supervisor of the air source. The source monitor coordinates with the source manager to ensure the source is operated within compliance. The source monitor shall:

- 4.7.1 Ensure that the source is operated in compliance with permit conditions. The source monitor will be responsible for periodically briefing source support personnel of permit conditions or requirements.
- 4.7.2 Immediately notify the source manager of any condition of noncompliance.
- 4.7.3 Ensure sources are registered with the Environmental Quality–Air Quality Compliance section and notify them and/or **Installation** Management Flight prior to changing operations.

4.8 Source Support Responsibilities

The source support persons (testing or mission) are responsible for the daily operation of the air quality source. The individual(s) coordinate with the source manager, source monitor, and the **Installation** Management Section (AEDC/TSDCI) staff in all matters of air quality stationary source management involving their assigned air source. They will also use other individuals, such as the facility, systems, or testing engineer(s) assigned to the source, to ensure compliance. The source support persons shall:

- 4.8.1 Perform recordkeeping requirements as specified by the permit application and/or Title V permit.
- 4.8.2 Perform recordkeeping required by the air quality source's checklist developed by the source manager and AEDC/TSDCI.
- 4.8.3 Ensure that the source is operated according to the Title V air quality operating permit.
- 4.8.4 Conduct permit-required sampling according to the Title V permit application/permit, such as fuel sampling of sulfur according to ASTM D4057-81 Standards.
- 4.8.5 Notify AEDC/TSDCI immediately of design or operating changes for new or existing sources.
- 4.8.6 Conduct daily operational inspections, or as directed by the permit or regulatory agency, in accordance with the operational checklist.

4.9 Installation Management Section (AEDC/TSDCI) Responsibilities

Installation Management Flight provides consultative services to the AEDC Commander, source managers/alternates, operators, and monitors. They compile certifications from source managers for the AEDC Commander and assist the Commander and source owners with compliance of the air quality sources. The AEDC/TSDCI shall:

- 4.9.1 Maintain a current roster of appointed managers/alternates and their sources.
- 4.9.2 Provide verbal notification to TDEC and/or EPA of a noncompliant source.
- 4.9.3 Represent the installation with any outside regulator.
- 4.9.4 Prepare an installation compliance report and submit these reports to TDEC.
- 4.9.5 Ensure that all source managers/alternates are properly maintaining source records.
- 4.9.6 Conduct “no notice” audits at least annually.
- 4.9.7 Identify all noncompliant findings to AEDC/CC.
- 4.9.8 Compile bi-annual reports from data provided by the managers/alternates for AEDC/CC certification to the TDEC.

- 4.9.9 Provide the source permits and operating conditions to each source manager and notify each source manager of changes in the permit status and operating conditions.
- 4.9.10 Define and update as appropriate the reporting and documentation requirements of the source managers.
- 4.9.11 Accomplish all needed training to recommended levels for the required people at the request of the source managers.

4.10 **Base Operating Contractor Environmental Quality–Air Quality Compliance Section Responsibilities**

The Air Quality Compliance section of contractor Environmental Quality will assist AEDC/TSDCI, source managers/alternates, operators, and monitors. They assimilate regulatory data from sources and compile it for AEDC/TSDCI. They assist source owners with compliance of the source and essential daily environmental technical services. The contractor Environmental Quality–Air Quality Compliance section shall:

- 4.10.1 Maintain a current roster of appointed managers/alternates and their sources. The appointment roster will be validated during the annual source inventory audit.
- 4.10.2 Prepare and periodically update a comprehensive base air emissions inventory of air emission stationary sources as required to meet federal, state and local regulatory requirements.
- 4.10.3 Update, modify, delete, and add new source records to reflect the operating status and character of emissions of all stationary sources in the inventory.
- 4.10.4 Establish source inventory data requirements.
- 4.10.5 Conduct a “no notice” audit of air quality sources at least annually.
- 4.10.6 Accomplish source sampling to determine air emission pollutants if required.
- 4.10.7 Represent the installation with any outside regulator as directed by AEDC/TSDCI.
- 4.10.8 Provide AEDC/TSDCI and the source manager with notification if there are noncompliant findings during an audit.
- 4.10.9 Maintain a master copy of base records.
- 4.10.10 Review and insure that records used for compliance certifications and fee assessments are complete and accurate.

5.0 TRAINING REQUIREMENTS

All source managers, alternate source managers, source monitors, and source support personnel will receive initial Clean Air Act training by either the **base operating** contractor Environmental Quality or through an approved EPA course.

6.0 INSPECTIONS/AUDITS

- 6.1 The Source Support person is required to accomplish daily operational inspections as required by the AFMC SOP.
- 6.2 The **Installation** Management Flight and **base operating** contractor Environmental Quality are responsible for Accomplishing annual “no notice” audits.
- 6.3 The TDEC typically accomplishes an annual “no notice” inspection of air sources, recordkeeping, and all permit condition requirements.
- 6.4 The United States Environmental Protection Agency (USEPA) may accomplish “no notice” inspections of the air quality program.

7.0 REFERENCES

Clean Air Act Amendments of 1990
 Emergency Planning and Community Right-to-Know Act of 1986
 Federal Facilities Compliance Act of 1992
 Montreal Protocol of Substances That Deplete the Ozone Layer
 State of Tennessee, Rule 1200-3, Division of Air Pollution Control
 40 CFR, 50-93, Air Quality Regulations
 DOD Directive 5100.50, Protection and Enhancement of Environmental Quality
 DOD Directive 6050.9, Chlorofluorocarbons (CFCs) and Halons
 AFD 32-10, Installations and Facilities
 AFD 32-70, Environmental Quality

AFI 48-119, Medical Service Environmental Quality Programs
AFI 32-7040, Air Quality Compliance
AFI 32-7044, Storage Tank Compliance
AFMC SOP, Air Quality Stationary Source Management, 8 November 1996
AEDC Safety, Health & Environmental Standard E14, Ozone Depleting Substances
AEDC Class I Ozone Depleting Substances Management Plan
AEDC Title V Permit Application, November 1996
AEDC Title V Permit Operating Permit

8.0 ANNEXES

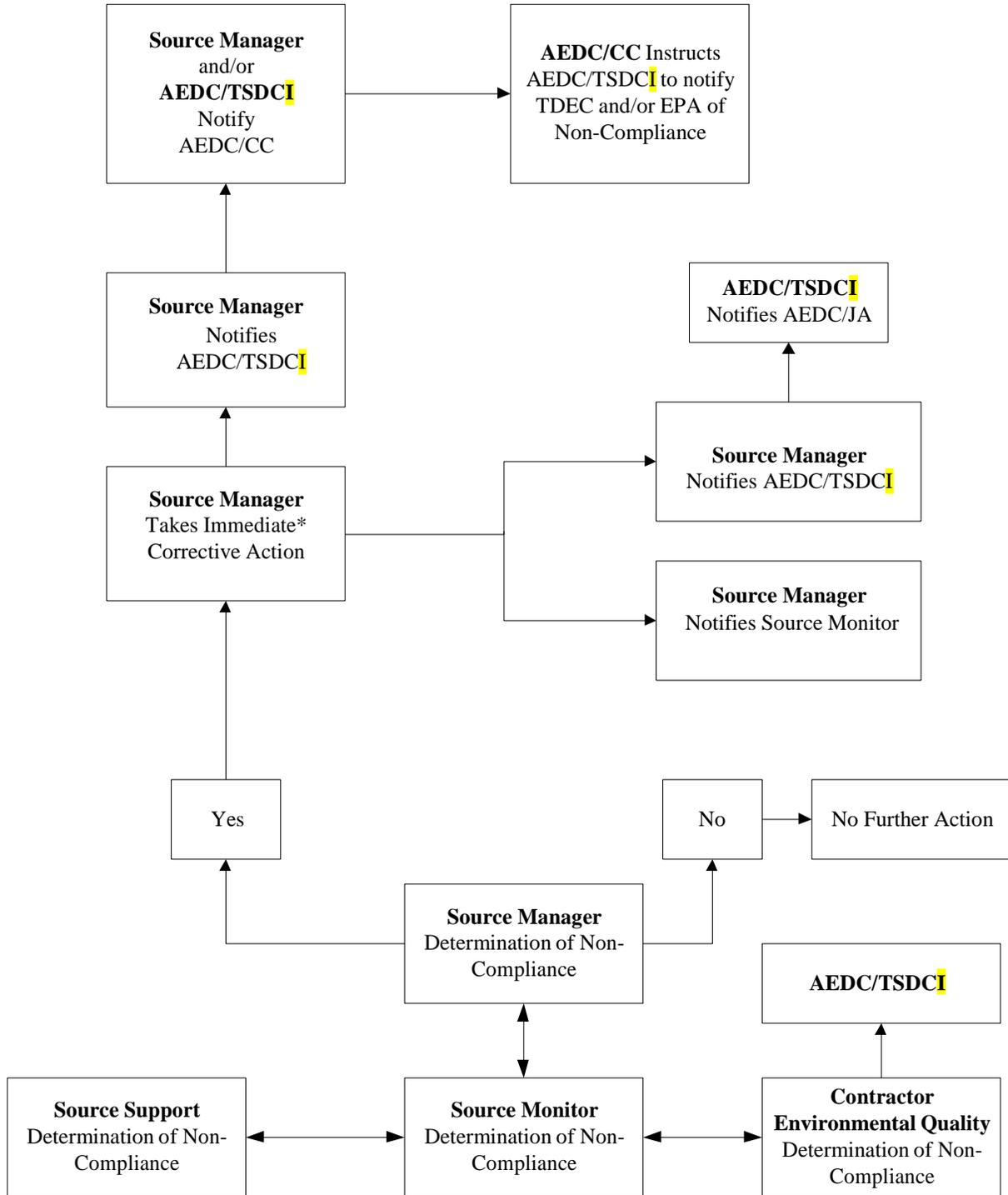
- A. Air Quality Compliance Notification
- B. Air Quality Compliance Certification
- C. Air Quality Compliance Fee Assessment

9.0 SUPPLEMENT

NFAC A321-0801-XSP E8 Air Quality Management

ANNEX A

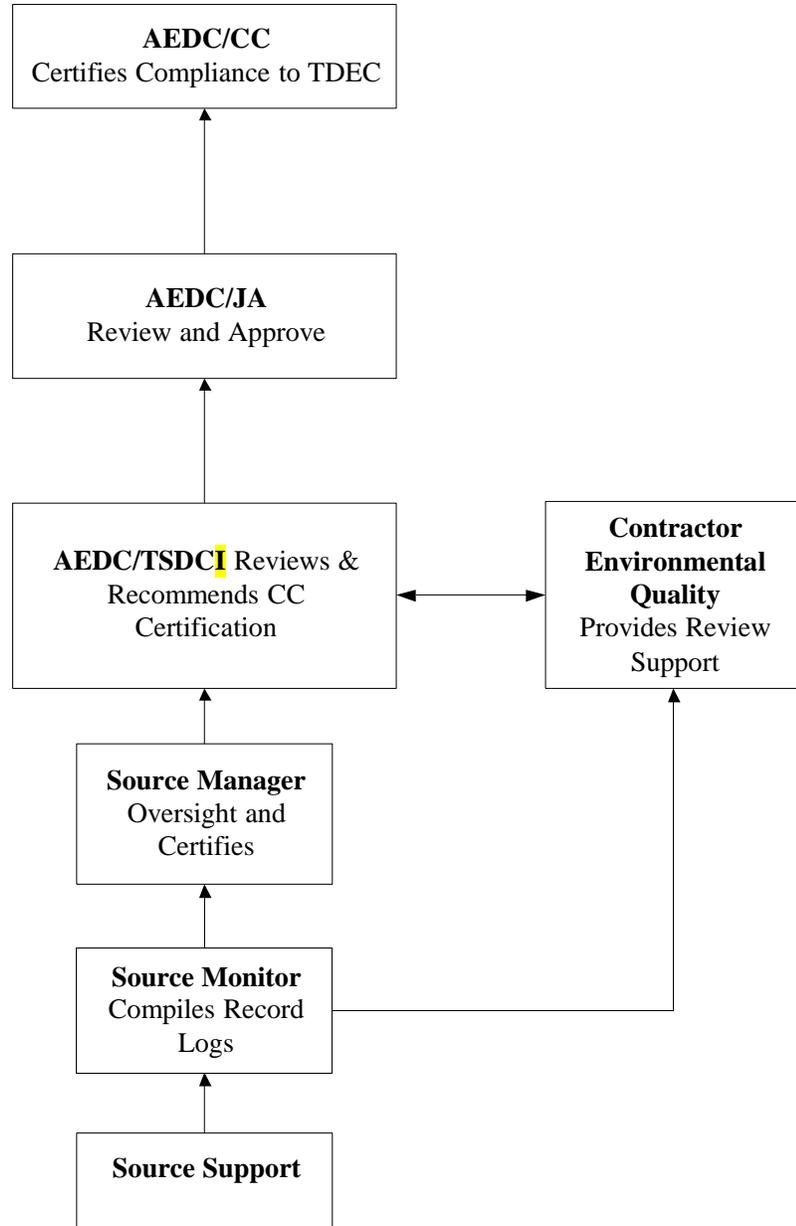
AIR QUALITY COMPLIANCE NOTIFICATION



* Source Manager insures AEDC/CC is notified of non-compliance within 24 hours (ref para 4.6/1)

ANNEX B

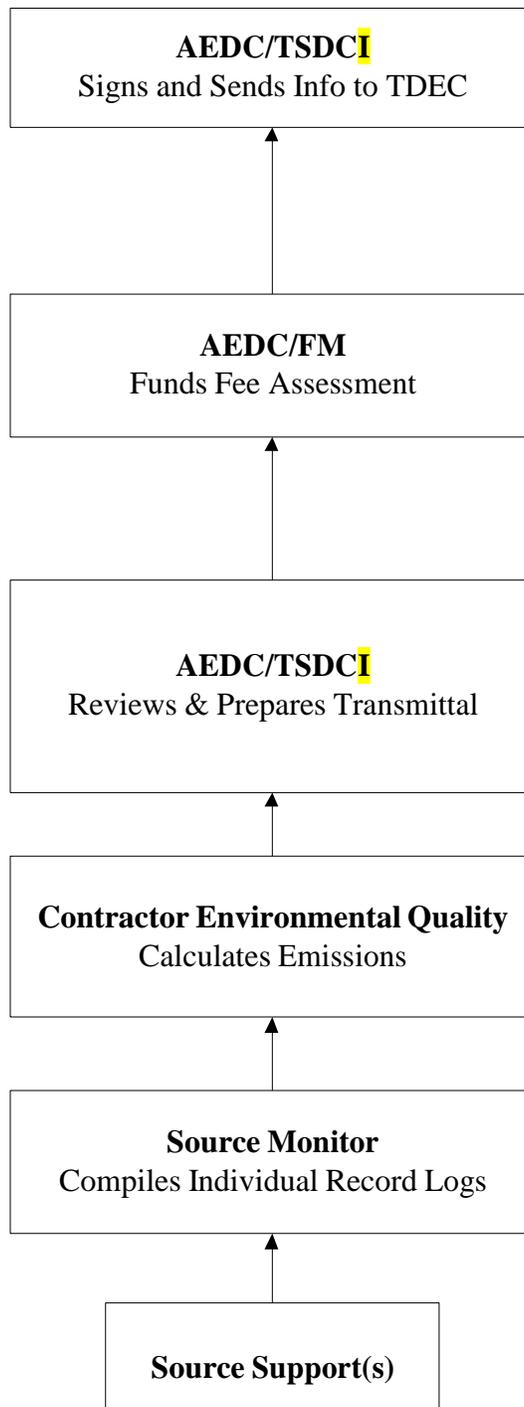
AIR QUALITY COMPLIANCE CERTIFICATION



* The TAPCD (Tennessee Air Pollution Control Board) Semiannual report was due on 29 August 2004 and every six months thereafter. The TAPCD Annual Compliance Certification was due on 29 August 2004 and every year thereafter.

ANNEX C

AIR QUALITY COMPLIANCE FEE ASSESSMENT



A321-0801-XSP E8 Air Quality Management Supplement

This supplement has been approved for the NFAC Site.

Review: This supplement will be reviewed and updated using the same cycle as the AEDC Safety Standard E8 "Air Quality Management".

References: AEDC Safety Standard E8 – Air Quality Management at the AEDC NFAC Site.
Ames Environmental Handbook APR 8800.3:

Scope:

Operations performed at NFAC utilize a variety of test facilities, heaters, and other sources which may generate air contaminants through combustion processes or through release of fugitive emissions. The United States Environmental Protection Agency (USEPA) and/or Bay Area Air Quality Management District (BAAQMD) obtain construction and operating permits for each source.

This supplement establishes requirements for the implementation and management of regulated air pollution sources at NFAC. It implements the *Clean Air Act Amendments of 1990*, the AFMC Standard Operating Procedure (SOP) *Air Quality Stationary Source Management* dated 8 November 1996, and the AFI 32-7040 *Air Quality Compliance*.

This supplement applies to all personnel conducting operations, maintenance, testing and support at NFAC, NASA AMES.

NFAC Worksite Application:

NFAC follows the following Ames Environmental Handbook APR 8800.3:

- Chapter 1 Roles and Responsibilities
 - Chapter 2 Pollution Prevention and Affirmative Procurement Program Requirements
 - Chapter 8 Air Pollution Control
1. NFAC is also under the jurisdiction of the Bay Area Air Quality Management District. All air emissions for coating and solvents are recorded and submitted to NASA Code QE to be consolidated on a NASA Ames report. NFAC has a special permit to use JP5 Fuel for test articles, the annual report/usage is generated by the Safety Engineer and permit fees are paid directly by the AEDC Civil Engineering Branch (TSDC).
- I. NFAC Site Management shall:
 1. Ensure the supplement is followed
 2. Ensure that staff, customers and vendors follow the supplement
 - II. NFAC Supervisors and Test Directors shall:
 1. Ensure the supplement is followed
 2. Ensure staff, customers, and vendors follow supplement
 3. Ensure staff, customers, and vendors log all usage of solvents and coatings
 4. Ensure that specified fuel powered equipment >50HP has the BAAQMD certification
 - III. NFAC Safety Engineer/Management Designee shall:
 2. Ensure the supplement is followed
 3. Ensure coating and usage logs are submitted to NASA Code QE
 4. Assess all usage of specified fuel powered equipment designated by BAAQMD
 5. Annual completion and submittal of JP5 Fuel usage permit with BAAQMD and AEDC Civil Engineering Branch (TSDC)
 6. Ensure proper recordkeeping and reporting requirements are followed in compliance with NASA Ames local requirements to accurately report usage to regulatory agencies.
 - IV. NFAC Staff shall:
 1. Follow the supplement
 2. Log of all usage of solvents and coatings