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"This substantive policy statement is advisory only. A substantive policy statement does not include internal procedural documents that only affect the internal procedures of the agency and does not impose additional requirements or penalties on regulated parties or include confidential information or rules made in accordance with the Arizona Administrative Procedure Act. If you believe that this substantive policy statement does impose additional requirements or penalties on regulated parties you may petition the agency under A.R.S. §41-1033 for a review of the statement."

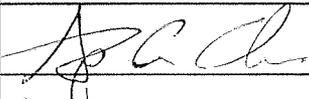
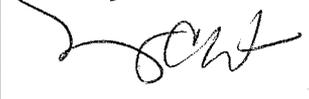
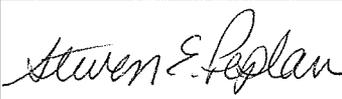
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| AIR DISPERSION MODELING GUIDELINES FOR ARIZONA AIR QUALITY PERMITS | Document No. | 2608.000 |
| | Revision No. | 0 |
| | Effective Date | 6/26/05 |

1.0 Revision History

1.1 Revision Table

| Date | Rev. No. | Change | Ref. Section |
|------|----------|--------------------|----------------|
| | 000 | New policy drafted | Not Applicable |
| | | | |
| | | | |

1.2 Approval Signatures

| Title | Name | Signature | Date |
|-------------------------------|-----------------------|--|---------------|
| Director | Stephen A. Owens |  | 6/26/05 |
| Deputy Director | Patrick J. Cunningham |  | June 21, 2005 |
| Air Quality Division Director | Nancy Wrona |  | 3/28/05 |
| Core Business Process Owner | Steve Peplau |  | 3/28/05 |

2.0 Purpose

This policy documents the Arizona Department of Environmental Quality's (ADEQ's) procedures for updating and utilizing air dispersion modeling guidelines for Arizona air quality permits.

3.0 Persons Affected

- 3.1 Owners/Operators of new and existing sources requiring air quality permits
- 3.2 ADEQ air quality permit engineers
- 3.3 ADEQ air quality modeling personnel
- 3.4 ADEQ Air Quality Division Director and Section Managers

4.0 Policy.

The policy of ADEQ is to ensure that:

- 4.1 Federal and state requirements for air quality modeling demonstration studies are addressed by applicants, ADEQ air quality permit engineers, and ADEQ air quality modeling personnel through the application of modeling guidelines issued and maintained by ADEQ.
- 4.2 Modeling guidelines are available for Arizona Air Quality Permit applicants to clarify requirements for air quality modeling demonstration studies associated with the air quality permit application process.
- 4.3 ADEQ air quality permit engineers and ADEQ air quality modeling personnel utilize modeling guidelines to promote a consistent and efficient review of air quality permit applications.

5.0 Definitions

For the purpose of this policy:

- 5.1 "Applicant" means the individual or organization making application for an air quality permit issued by ADEQ.
- 5.2 "Modeling guidelines" means the document entitled Air Dispersion Modeling Guidelines for Arizona Air Quality Permits (December 2004) created by the Air Quality Division of ADEQ that is an attached addendum to this policy.

6.0 Responsibilities

- 6.1 The Air Quality Division (AQD) Director is responsible for the creation and modification of the modeling guidelines to reflect changes in federal and state requirements and ensuring that the modeling guidelines are available to applicants, ADEQ personnel, and other interested parties.
- 6.2 The AQD Director and Section Managers are responsible for ensuring that ADEQ air quality permit engineers and air quality modeling personnel utilize the modeling guidelines.
- 6.3 ADEQ air quality permit engineers are responsible for interfacing with the applicant and, when appropriate, ensuring the applicant has access to the modeling guidelines and receives answers to clarifying questions.
- 6.4 ADEQ air quality modeling personnel are responsible for advising ADEQ air quality permit engineers on modeling techniques applicable for a permit; modeling protocols submitted by the applicant; and, air quality demonstration studies submitted by the applicant.

7.0 Procedures

7.1 Procedures related to the issuance of modeling guidelines

7.1.1 The Section Manager of the Air Assessment Section will initiate a process to review and update the modeling guidelines whenever there is a substantive revision to EPA guidance documents or other federal and state requirements. The process will involve staff from the AQD Permits Section and AQD Air Assessment Section familiar with the air quality permit process and associated federal and state requirements. The final draft of the modeling guidelines will be reviewed by the various AQD Section managers before being approved by the AQD Director.

7.1.2 Upon approval of the AQD Director, the modeling guidelines will be made available through the ADEQ Web site. A formal orientation session will be held with ADEQ air quality modeling personnel to ensure they are aware of the requirements. A subsequent orientation session will be held with ADEQ air quality permit engineers to ensure they are aware of the requirements.

7.2 Procedures related to pre-application consultation with potential applicant

7.2.1 Applicants are encouraged to have a pre-application meeting with ADEQ permitting staff to review the nature of the source proposed to be permitted. The pre-meeting will allow ADEQ staff to review the nature of the source, and any modeling issues that should be addressed in the permit application including, if necessary, the submittal of a modeling protocol for approval by ADEQ.

7.2.2 ADEQ air quality modeling personnel will advise the ADEQ permit engineers the types of analyses and protocols that should be utilized for the proposed source.

7.3 Procedures related to processing an application for an air quality permit

7.3.1 The permit will be reviewed to determine if a modeling protocol is required. If it is required and was not submitted by the applicant, the modeling protocol will be requested of the applicant.

7.3.2 The modeling protocol, if required, will be reviewed by ADEQ air quality modeling personnel. If it is deficient, the ADEQ permit engineer will work with the applicant and modeling personnel to resolve any deficiencies. The ADEQ permit engineer will advise the applicant when the modeling protocol is acceptable.

7.3.3 The final air quality modeling demonstration studies will be reviewed for adequacy by ADEQ permit engineers and ADEQ air quality modeling personnel. If it is deficient, the ADEQ permit engineer will work with the applicant and modeling personnel to resolve any deficiencies. The ADEQ permit engineer will advise the applicant when the air quality modeling demonstration studies are acceptable.

8.0 Additional Documentation

8.1 EPA, GUIDELINE ON AIR QUALITY MODELS *reprinted in* 40 C.F.R. Part 51, Appendix W (July 2003) (describing the application of air quality models).

8.2 EPA, NEW SOURCE REVIEW WORKSHOP MANUAL (1990).

- 8.3 EPA, SCREENING PROCEDURES FOR ESTIMATING THE AIR QUALITY IMPACTS OF STATIONARY SOURCES (1992).
- 8.4 Authority to require air quality dispersion modeling for new major sources and major modifications to existing sources, Arizona Administrative Code (AAC) R18-2-407.
- 8.5 Powers (of the ADEQ Director related to the quantification of air contaminants), A.R.S. § 49-422.