Requirements of a Prevention of Significant Deterioration Permit (PSD) Application

This document provides information on PSD applications and the minimum components that must be included in an acceptable PSD permit application that an applicant must submit to the agency for review. This is not an exclusive list and the agency may determine what other documents are needed on a case by case basis. Questions regarding this list should be directed to Gyanendra Prasai (Section Chief) at 785-296-6024.

Application must be submitted electronically through KEIMS: https://keims.kdhe.ks.gov/nsuite/ncore/external/home.

The Bureau of Air (BOA) recommends a pre-application meeting for Prevention of Significant Deterioration (PSD) projects. The purpose of the meeting is to establish open communication between applicants and the BOA. This facilitates the submittal of a complete and accurate application and reduces the time it takes BOA to prepare a permit for public notice. Meeting participants will include BOA permitting staff, BOA modeling staff, facility representatives, and EPA Region 7 representatives. EPA reviews all draft PSD permits, therefore, including EPA in pre-application meeting may help prevent unanticipated issues during the review process.

**Information Needed Prior to Pre-Application Meeting:** The following information should be submitted to the BOA at least one week prior to the scheduled meeting to familiarize BOA with the proposed project:

Agenda of items applicant wishes to discuss at the meeting. Below is a list of sample agenda topics:

- Clarify the permitting process for company and public, discuss project schedule and permit timeline
- Discuss site-specific issues
- Discuss control technologies that are anticipated (preliminary Best Available Control Technology (BACT) analysis)
- Local air quality concerns (ambient air quality, PSD increment, nearby sources)
- Pre-construction monitoring and dispersion modeling (modeling protocol)
- Additional PSD-related information (i.e., additional impacts analysis)
- Confidentiality if requested
- Allowable pre-permit activities
- Expected meeting attendees
- Summary of proposed construction or modification project
- Anticipated controls and emission rates
- Location of the new or modified facility
- List of nearby facilities that could be considered support facilities or are under common control
- Applicability of federal and state rules/standards (i.e., MACT, NSPS)
- Modeling Protocol (not applicable if modeling is not required).
**PSD Application Contents**: The PSD Application should contain, at a minimum, the following information:


2. Table of contents.

3. Description of the area where the proposed facility intends to locate or is located.

4. Description of the proposed facility or the existing facility.

5. Description of the proposed modification to the existing facility (if applicable).

6. Location map (county & city).

7. Plot plan of the facility including property line, fence line, building dimensions, and location of the nearest resident.

8. Site plan showing the emission sources.

9. Emission calculations from the proposed facility for all the regulated pollutants.

10. Emission calculations from the existing facility (if applicable) for all the regulated pollutants.

11. Emission calculations from the proposed modification (if applicable) for all the regulated pollutants.

12. Sources where the emission factors were obtained to perform the emission calculations.