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## 40 C.F.R. § 1.45

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### Office of Research and Development.

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The Office of Research and Development is under the supervision of the Assistant Administrator for Research and Development who serves as the principal science adviser to the Administrator, and is responsible for the development, direction, and conduct of a national research, development and demonstration program in: Pollution sources, fate, and health and welfare effects; pollution prevention and control, and waste management and utilization technology; environmental sciences; and monitoring systems. The Office participates in the development of Agency policy, standards, and regulations and provides for dissemination of scientific and technical knowledge, including analytical methods, monitoring techniques, and modeling methodologies. The Office serves as coordinator for the Agency's policies and programs concerning carcinogenesis and related problems and assures appropriate quality control and standardization of analytical measurement and monitoring techniques utilized by the Agency. The Office exercises review and concurrence responsibilities on an Agencywide basis in all budgeting and planning actions involving monitoring which require Headquarters approval.

(a) *Office of Acid Deposition, Environmental Monitoring and Quality Assurance.* The Office of Acid Deposition, Environmental Monitoring and Quality Assurance (OADEMQA), under the supervision of an Office Director, is responsible for planning, managing and evaluating a comprehensive program for:

- (1) Monitoring the cause and effects of acid deposition;
  - (2) Research and development on the causes, effects and corrective steps for the acid deposition phenomenon;
  - (3) Research with respect to the transport and fate of pollutants which are released into the atmosphere;
  - (4) Development and demonstration of techniques and methods to measure exposure and to relate ambient concentrations to exposure by critical receptors;
  - (5) Research, development and demonstration of new monitoring methods, systems, techniques and equipment for detection, identification and characterization of pollutants at the source and in the ambient environment and for use as reference or standard monitoring methods;
  - (6) Establishment, direction and coordination of Agencywide Quality Assurance Program; and
  - (7) Development and provision of quality assurance methods, techniques and material including validation and standardization of analytical methods, sampling techniques, quality control methods, standard reference materials, and techniques for data collection, evaluation and interpretation. The Office identifies specific research, development, demonstration and service needs and priorities; establishes program policies and guidelines; develops program plans including objectives and estimates of resources required to accomplish objectives; administers the approved program and activities; assigns program responsibility and resources to the laboratories assigned by the Assistant Administrator; directs and supervises assigned laboratories in program administration; and conducts reviews of program progress and takes action as necessary to assure
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timeliness, quality and responsiveness of outputs.

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