This report represents a compilation of papers presented during the last two days of the Fifth AEC Air Cleaning Seminar. This continuing series of seminars provides AEC and AEC contractor personnel, and for the first time private industry, with an opportunity to discuss and evaluate air cleaning operations and problems and new developments in the field. Operational experiences in the processing of gaseous effluents from fuel fabrication plants, in reactor facilities, and in other AEC National Laboratory and contractor activities were related. This phase of the meeting was unique in that attendance was open to access permit holders for the first time.

The first two days consisted of a review of air and gas cleaning fundamentals and was conducted by staff of the Harvard Air Cleaning Laboratory and guest lecturers. Attendance was limited to Commission and Commission-contractor personnel directly engaged in air and gas cleaning activities.

The seminar was sponsored by the Division of Reactor Development, U. S. Atomic Energy Commission, in cooperation with the Harvard School of Public Health, and was held at the Harvard Air Cleaning Laboratory, Boston, Mass.
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