

ENCLOSURE

Description of Violations

Automation Industries, Incorporated
Instrument Division
Kimberton Road
Phoenixville, Pennsylvania 19460
Docket No. 30-5998
License No. 37-00611-09

Certain activities under your license appear to be in violation of AEC requirements, as indicated below:

1. 10 CFR 20.201(b), "Surveys", requires that surveys be conducted as may be necessary to comply with the regulations contained in each section of Part 20. A "survey", as defined in Paragraph 20.201(a), means "an evaluation of the radiation hazards incident to production, use, release, disposal, or presence of radioactive materials or other sources of radiation under a specific set of conditions. When appropriate, such evaluation includes a physical survey of the location of materials and equipment, and measurements of levels of radiation or concentrations of radioactive materials present."
 - a. Contrary to this requirement, you failed to make such surveys as necessary to assure compliance with 10 CFR 20.103, "Exposure of individuals to concentrations of radioactive materials in restricted areas." Specifically, you failed to make surveys to assure that the concentrations of airborne radioactive materials present during repair work in your hot cell on October 25, 1972 did not exceed the limits specified in 10 CFR 20.103.
 - b. Contrary to this requirement, you failed to make such surveys (evaluations) as were necessary to assure compliance with 10 CFR 20.106, "Concentrations in effluents to unrestricted areas." Specifically, you failed to adequately evaluate the air sample collected during the period September 13, 1972 to December 29, 1972 in order to assure that the concentrations of airborne radioactive materials exhausted from your hot cell facility did not exceed the limits specified in 10 CFR 20.106.
2. 10 CFR 20.408, "Reports of personnel exposure on termination of employment or work," requires that licensees report, in writing, to the Atomic Energy Commission and to each individual whose employment is terminated, the individual's record of exposure

to radiation incurred during his period of employment. Such reports must be furnished within 30 days after the exposure of the individual has been determined or within 90 days after the date of termination of employment or work assignment, whichever is earlier.

Contrary to this requirement, your letter to the AEC, dated February 28, 1973 and your letter to the terminated employee, dated January 30, 1973, reporting the exposures incurred by a former employee, who terminated employment on September 23, 1972, was not submitted within 90 days after termination of employment.

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