



ALMA COLLEGE • ALMA, MICHIGAN 48801  
517/463-7111

January 7, 1983

Mr. D. J. Sreniawski, Chief  
Materials Radiation Protection  
Section 2  
Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Mr. Sreniawski,

I have your letter of December 23, 1982, with respect to non-compliance by Alma College under Nuclear Regulatory License No. 21-18972-01.

The two non-compliance items - regular calibration of the Baird Atomic Survey Meter and records in microcuries of leak test results - have been reviewed with Professors John Gibson and Eugene Deci.

Professor Deci, the radiation officer, has taken the following corrective actions:

- 1) The Baird meter was checked for calibration on 1/5/83. On the scale of 0 to 50 milliroentgen per hour, an error of 4% was found. On the scale of 0 to 5 milliroentgen per hour, an error of less than 1% was found. Since these errors are within acceptable limits, no calibration adjustments were made. A reminder in form of a notice taped to the safe where the sources are stored will assure that regular calibration checks are not overlooked in the future.
- 2) A determination of the minimum detectable activity at a confidence level of 95% was made for our nuclear spectroscopy system. The result was  $\sim 10^{-5}$  microcuries. On 1/6/83 both sources ( $Cs^{137}$  and  $Co^{60}$ ) were wipe tested and no detectable activity was discovered. The notice taped to the safe mentioned above includes a reminder that the sources are to be tested each semester.

Full compliance has been achieved at the date of this letter.

Ronald O. Kapp

Provost and Vice President  
for Academic Affairs

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cc: J. Gibson, E. Deci

OFFICE OF THE PROVOST  
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