

Amersham Corporation
2636 South Clearbrook Drive
Arlington Heights Illinois 60005

Amersham

June 9, 1982

Mr. D.G. Wiedeman
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Wiedeman:

Pursuant to the provisions of 10 CFR 2.201, Amersham Corporation is providing the required response to the notice of violation which was issued on May 13, 1982.

Amersham Corporation was cited for not performing air monitoring surveys in the alpha source assembly lab on a weekly basis. These surveys are now being performed. The surveys that have been taken to date indicate that the amount of americium-241 in the air in the alpha source assembly area is almost indistinguishable from background, the highest concentration measured being 2.9×10^{-12} $\mu\text{Ci/ml}$. This is well below the NRC action level of 1.0×10^{-10} $\mu\text{Ci/ml}$.

Quarterly surveys of the concentration of radioactive material in the air in other areas of the building have also been initiated. A schedule of the areas that will be surveyed during a quarter has been set up. The quality assurance laboratory which performs testing on Ibrin was the first area in which a quarterly sample was taken. In this area, the concentration of iodine-125 was found to be 1.4×10^{-11} $\mu\text{Ci/ml}$.

To ensure that areas can be measured at the appropriate frequency, additional air monitoring equipment will be purchased as a back-up for that equipment already on site. By taking these actions, it is felt that Amersham Corporation has corrected the deficiencies noted in the inspection report and is in compliance with requirements of the regulations and of the license.

There are a few minor inaccuracies in the inspection report that should be mentioned. Under Section 5 of the report, titled Material, Facilities and Equipment, the report states that a computer inventory of the material on hand is requested for review on a monthly frequency. In fact, a computer inventory of the material on hand is received daily for review by the Health Physics and Safety Officer or designee.

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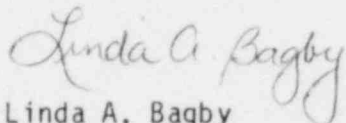
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Under Section 8, titled Exposure Controls-External, a correction is needed to add Production as one of the groups that is presently receiving film badges on a weekly exchange frequency. In addition, the statement that ring badges are not assigned on a permanent basis is not correct, as some Production and Research personnel have been assigned permanent ring badges since July of 1981.

We hope you will find this an adequate response to the items of non-compliance which were identified in the recent inspection.

If you require any further information, please do not hesitate to contact me.

Sincerely,



Linda A. Bagby
Health Physics
and Safety Officer

jlm