

MEMORANDUM TO: John R. Madera, Chief  
Nuclear Material Licensing Section, Region III

FROM: Donald A. Cool, Director *Original signed by [Signature] for*  
Division of Industrial and  
Medical Nuclear Safety, NMSS

SUBJECT: TAR CONTROL NUMBER 98334 RE ADVANCED MEDICAL  
SYSTEMS LICENSE NO. 34-19089-01

This memorandum is in response to your Technical Assistance Request (TAR) dated June 12, 1995, which requested assistance in the review of the licensee's proposal to evaporate water containing cobalt-60.

On review of the information provided in the TAR, it is felt that the authorization to operate the evaporator should be granted upon adequate response of AMS to your deficiency letter.

Item F. of your draft deficiency letter should be expanded to require indication of how the licensee might demonstrate compliance with effluent limits of Appendix B of 10 CFR Part 20. Downwind surveys, such as air samples or removable contamination surveys, could be performed. From the information AMS supplied in the COMPLY code submitted to the U.S. Environmental Protection Agency, the stack height above the roof top is two meters at the west end of the building. Assuming predominant westerly winds, surveys downwind from the stack on the roof would be appropriate.

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