

AUG 15 1985

Flint Nuclear Diagnostic Center  
ATTN: Max Dubrinsky  
Executive Administration  
3320 Flushing Road  
Flint, MI 48504

License No. 21-15723-01

Gentlemen:

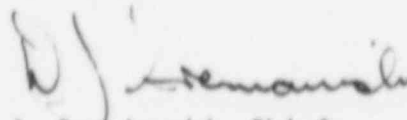
Thank you for your letter dated July 8, 1985, informing us of the steps you have taken to correct the noncompliance which we brought to your attention in our letter dated June 19, 1985.

It was not clear from the sketch provided with your license application dated April 30, 1984, that the hot laboratory and the imaging areas are separate rooms. It appears, from your application, that your fan supplies exhaust to provide a negative pressure to both the imaging room and the hot laboratory. Negative pressure may be needed in the hot laboratory to ensure the xenon-133 concentrations are within the regulatory limits. The evaluation (submitted with your application) of xenon-133 concentrations for restricted and unrestricted areas shows the exhaust ventilation is adequate to keep the xenon-133 levels within the required limits for the imaging area, however, it appears the xenon-133 concentrations in the hot laboratory were not addressed.

In your reply to this letter, please indicate the concentrations of xenon-133 gas in the hot laboratory area, due to use and storage, and method to ensure the concentrations are within regulatory limits. Indicate what the concentrations of xenon-133 gas would be in the restricted and unrestricted areas of your facility if there was an accidental release of xenon-133 in the hot lab. Specify the amount of time required after the accidental release for the concentration of xenon-133 gas in the restricted and unrestricted areas to reach the allowable limits.

If you have any questions, please contact Bill Reichhold of my staff, for assistance (312-790-5621).

Sincerely,



D. J. Sreniawski, Chief  
Nuclear Radiation Protection Section 2

cc w/ltr dated JUL 8 - 1985  
DMB/Document Control Desk (RIDS)

RIII

*MR*  
Reichhold/pg  
08/06/85

RIII

*SJS*  
Sreniawski

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