



FC012387-2



The National  
Pharmaceutical  
Service Network

January 23, 1987

William J. Adam, Ph.D.  
Material Licensing Section  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

RECEIVED  
'87 FEB -2 9:30  
U.S. NUCLEAR REGULATORY COMMISSION  
LIC. FEE MGMT. BRANCH

RE: NRC Radioactive Material License Number 22-24309-01 MD Moorhead,  
Minnesota

Dear Dr. Adam,

Please amend our NRC Radioactive Material License Number 22-24309-01MD Moorhead, Minnesota to designate Sydney Bauer as Radiation Safety Officer under Condition 12c. Ms. Bauer has been promoted to manager at this location, and is an authorized user on this license.

We, also, wish to amend this license to increase our possession limit for Xenon-133 to 500 millicuries. Calculations from our previously submitted license application dated 3/24/84 (Item 21, page 3) show that the concentration of Xenon-133 activity in the restricted area and the amount released to the unrestricted area was  $7.22 \times 10^{-8}$  uCi/ml. If one increases the possession limit from 200 mCi to 500 mCi, then:

$$\frac{500 \text{ mCi}}{300 \text{ mCi}} \times 7.22 \times 10^{-8} \text{ uCi/ml} = 1.2 \times 10^{-7} \text{ uCi/ml}$$

which is below the maximum concentration required by Section 20.106 of 10 CFR, Part 20 for release of Xenon-133 to an unrestricted area, i.e.  $3 \times 10^{-7}$  uCi/ml.

If you have any questions concerning this amendment request, please contact me.

Sincerely,

SYNCOR INTERNATIONAL CORPORATION

*Frank M. Comer*

Frank M. Comer  
Chief Health Physicist, Licensing

Log	Feb 1987
Remitter	
Check No.	153
Amount	\$230
Fee Category	3C
Type of Fee	amend
Date Check Rec'd.	
Date Completed	2/4/87
By:	ep

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JAN 28 1987

REGION III

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cc: Sydney Bauer  
Joe Zipp  
Verne Tabacon  
JoAnn McAnany

JAN 28 1987

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REG LIC30  
22-24309-01MD PDR

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