

**OHIO UNIVERSITY**  
Athens, Ohio 45701

Environmental Health and Safety  
Hudson Health Center  
Athens, Ohio 45701-2991  
(614) 593-1666

May 20, 1993

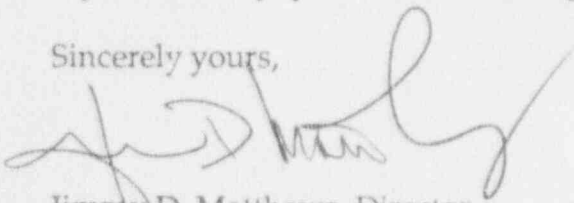
B. J. Holt, Chief  
U. S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Holt:

I sent a letter to you dated May 17, 1993 concerning "Reply to a Notice of Violation" License No. 34-01260-09, Docket No. 030-00903. In that letter I provided an attachment which was the Resume of the existing Radiation Safety Committee Chairperson, but I did not include the attachment to this letter (Kenneth G. Goodrum, Experience with use of Radioactive materials, Experience on Radiation Safety Committee). Please include this attachment with the reply of May 17, 1993.

If you have any questions concerning this matter, please do not hesitate to contact me.

Sincerely yours,



Jimmy D. Matthews, Director,  
Environmental Health and Safety

JDM:dmc

Attachments

xc: Gary North  
Ted Kohan  
Linda McDaniel  
Ken Goodrum

9306110078 930603  
PDR ADDCK 03000903  
C PDR

MAY 27 1993

**Kenneth J. Goodrum - Experience with use of Radioactive Materials  
Experience on Radiation Safety Committee**

4/27/93

Experience with Use of Radioactive Materials

K. J. Goodrum completed standard undergraduate chemistry and physics training as well as a graduate techniques course which included biological and biochemical research use of radiochemicals. K. J. Goodrum has used radioactive materials at 4 Universities and received varying amounts of materials orientation and radiation training via the Safety Offices at each of these institutions. Radiolabeled chemicals have been used in assays of cellular synthesis or metabolism (incorporation of radiolabeled compounds by living cells), in assays of enzyme activity by monitoring hydrolysis of radiolabeled compounds, in quantitative radioimmunoassays, or in radioligand binding assays. In some cases the radiolabeled compounds were purchased (see list below) and in other cases purchased compounds ( $\text{Na}^{125}\text{I}$ ,  $\text{NaB}^3\text{H}_4$ ) were used to radiolabel secondary molecules (proteins) to be used in experimental protocols. Use of radioactive materials has been described or referenced in 5 of K. J. Goodrum's published articles in scientific journals.

<u>Compounds used</u>	<u>Inventory Limits</u>	<u>Date</u>
$\text{NaH}^{14}\text{CO}_3$	1 mCi	1977-78
$\text{NaB}^3\text{H}_4$	25mCi	1979
$\text{Na}^{125}\text{I}$	5 mCi	1979-82, 1983
$^{125}\text{I}$ -digoxin	3 $\mu\text{Ci}$	1982
$^3\text{H}$ -leucine	2 mCi	1987
$^{35}\text{S}$ -methionine	10 mCi	1987-88
$^3\text{H}$ -thymidine	5mCi	1984-88
$^3\text{H}$ -substance P	150 $\mu\text{Ci}$	1990-present
$^{125}\text{I}$ -substance P	5 $\mu\text{Ci}$	1990

Experience on Radiation Safety Committee

K. J. Goodrum served two three year terms (1985-87, 1989-1991) and is serving a third three year term (1992-1994) on the Ohio University Radiation Safety Committee. He has been serving as Chairman of the Committee since 1991.