

OCT 03 1986

Docket No. 50-294

Michigan State University  
ATTN: Mr. Stephen H. Terry  
Assistant Vice President  
for Business and Finance  
East Lansing, MI 48824

Gentlemen:

This refers to activities authorized by Nuclear Regulatory Commission Reactor Operating License No. R-114.

During an onsite inspection conducted by R. A. Paul of this office on June 19-20, 1986, of activities at the Michigan State University TRIGA reactor, we identified discrepancies in your area radiation monitor calibration records for the years 1981 through 1984. Those discrepancies caused us to question the validity of the calibrations.

Your responses dated August 5 and September 8, 1986, acknowledged that your calibration records in question were improperly maintained and that errors existed in the calibration calculations performed by your personnel. Your responses have not, however, comprehensively addressed the significance of the calibration discrepancies. In order that we can assure that your licensed activities are being performed in compliance with your license requirements, we require additional information concerning your licensed activities.

Accordingly, to enable us to determine whether or not the Michigan State University license should be modified, suspended, or revoked, you are requested, pursuant to the provisions of 10 CFR 50.54(f), to evaluate and address the following:

1. Inasmuch as reactor area radiation monitor calibration calculations were improperly performed for calibrations in 1981 through 1984, but the observed monitor readings recorded for those calibrations were in good agreement with the erroneously calculated values, what assurance do you have that those calibrations were actually performed, and that the monitor was actually in calibration during that time period?
2. What assurance do you have that other calibrations of the reactor area radiation monitor were actually and properly performed?
3. What assurance do you have that other calibrations and work performed under your NRC licenses by the individuals involved in the calibrations in question were actually and properly performed in accordance with license requirements?

8610150392 861003  
PDR ADOCK 05000294  
Q PDR

206  
1/0

OCT 03 1986

Pursuant to 10 CFR 50.54(f), you are requested to furnish, under oath or affirmation, no later than 30 days from the date of this letter, your responses to the concerns identified above.

Sincerely,

Original signed by  
James G. Keppler

James G. Keppler  
Regional Administrator

cc: Dr. B. W. Wilkinson, Reactor  
Supervisor  
DCS/RSB (RIDS)  
Licensing Fee Management Branch

RIII  
*DM*  
Miller/as  
10/ /86

RIII  
*in*  
Greger

RIII  
*W*  
Shafer

RIII  
*JH*  
Hind  
10/3/86

RIII  
*JH*  
Grobe  
10/3/86

~~RIII~~  
~~Berson~~  
*CHITRELL*  
*[Signature]*

RIII  
*D*  
Davis  
10/3

*yes*  
RIII  
*JK*  
Kepp]er  
10/3/86