

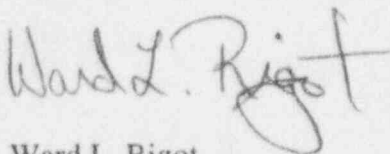
August 7, 1995

Mr. Alexander Adams, Jr., Senior Project Manager
Non-Power Reactors and Decommissioning
Projects Directorate
Division of Project Support
Office of Nuclear Reactor Regulation

Dear Mr. Adams

Enclosed is the response to your request for additional information regarding our amendment request for Facility Operating License No. R-108; letter dated June 7, 1995. The enclosure includes the changes proposed for amendment No. 7 and an explanation for each question raised in your June 7, 1995 letter. If you have any questions regarding this review, please contact me at (517) 636-6584.

Regards



Ward L. Rigot
Reactor Supervisor
Dow TRIGA Research Reactor
Dow Chemical Company

Notary Public: Susan M. Schuff
My Commission Expires: 4/20/96

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RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
DOW CHEMICAL COMPANY TRIGA RESEARCH REACTOR
DOCKET NO. 50-264

1. There are only two neutron detectors used for monitoring reactor power. The basis for TS 4.2.2 has been changed to show consistency.
2. The wording in TS 4.2.2 has been changed such that there is consistency with Table 3.3B.
3. Definition 1.2 indicates that a channel is a combination of sensors, circuits and output devices. The number of measuring channels has been changed to two, NP1000 and NM1000. This change was made after my conversation with you on July 7, 1995. It was agreed that the three outputs from the one fission chamber associated with NM1000 does not necessitate assigning three different channels to these outputs. This change is reflected in Table 3.3B and TS 4.2.2.
4. I have included one change which has not been requested. I have changed the basis for the Reactor Period. The current basis 'Prevents operation in a regime in which transients could cause the safety limit to be exceeded' is too conservative. TRIGA reactors are designed to 'pulse' and reaching peak power of hundreds of megawatts; while maintaining fuel temperatures below the safety limit. Therefore, having instrumented control of the reactor period has minimal impact on the fuel temperature. I propose the basis reflect that we want to assure that the Limiting Safety System Setting is not exceeded.
5. I have included one change which has not been requested. TS 4.2.3 has been changed. The last phrase, 'and the log power channel' has been deleted. This is redundant since this is the NM1000 channel which is a scram channel.