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FCUP:NK
70-734
SNM-696, Amendment No. 2

GA Technologies, Inc.
ATTN: Mr. W. R. Mowry
Licensing Administrator
P.O. Box 81608
San Diego, California 92138

Gentlemen:

In accordance with your application dated April 23, 1985, its supplements dated May 20, June 3, and June 20, 1985, and pursuant to Title 10, Code of Federal Regulations, Part 70, Special Nuclear Materials License No. SNM-696 is hereby amended to authorize modifications to your surveillance requirements during the period of the reduced activities and modifications to your criticality monitoring and alarm system. This authorization is subject to the following conditions:

- Condition 27. Notwithstanding the statement in Section 4.2.1.4, Part II of the license, the trip levels will be readjusted after each monthly test of the criticality alarm system if the alarm point fails to activate within approximately 5 seconds, more than once out of four trials.
- Condition 28. Notwithstanding the statements in Section 4.2.1.4, Part II of the license, no material handling shall be allowed in any area in which the required criticality alarm system is inoperative.
- Condition 29. The licensee may reduce the radiation safety, nuclear criticality safety, and environmental surveillance requirements within the HTGR fuel fabrication and storage areas in the SV-A Building, TRIGA fuel manufacturing building, and in the GA Hot Cell, possessing fissile and/or other radioactive material, during a period of reduced activities as specified in the application dated April 23, 1985, subject to the following modifications:
 - a. The survey frequencies and contamination control measures specified in the license shall be used whenever work is performed on or with equipment which handles radioactive material.

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- b. Any work performed on equipment which handled radioactive materials shall be authorized by and performed under a radiation work permit.
- c. All openings of ventilation ducts and enclosures which are not completely sealed shall be maintained with a minimum airflow of 25 LFM. The licensee shall determine, on at least a semiannual basis, that this minimum airflow is maintained.
- d. If air sample results indicate an increase in airborne contamination to 10 percent or more of the appropriate MPC, survey frequencies shall be increased to the levels specified for Type II laboratories.
- e. The Manager, Nuclear Safety, or his designee shall perform a criticality inspection, at least annually, of all areas specified.

All other conditions of your license shall remain the same.

The above conditions were discussed with your Mr. W. R. Mowry on July 15, 1985.

Enclosed is a copy of our Safety Evaluation Report in support of this amendment.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by

WTC Glenn A. Terry

W. T. Crow, Acting Chief
Uranium Fuel Licensing Branch
Division of Fuel Cycle and
Material Safety, NMSS

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