



DCS

August 25, 1988

James M. Taylor
Deputy Executive Director for Regional Operations
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Sir:

Pursuant to the telephone conversation between NRC Region IV and the Licensee on 23 August 1988 the following additional information is provided regarding the University of Utah's response, dated 4 August 1988, to Notice of Violation and Deviation, Report 50-407/88-01, 50-0723/88-01, University of Utah Reactors (License R-25: AGN-201, Docket 50-072 and License R-126: TRIGA, Docket 50-407).

Violation 2 (407/8801-02). In addition to the revised written procedure for insertion and removal of heavy water tanks, the Licensee has modified its checkout procedure for operation of the TRIGA reactor (see enclosed form NEL-001, Sheet 1) to require that the Maintenance Log be reviewed for any core operations which might affect reactivity. This action will ensure that the operator is apprised of such changes.

Violation 3 (407/8801-03). Any component removed from the reactor core which may be radioactive and is not to be immediately placed in a shielded container will be surveyed for contact radiation levels and will be tagged with the maximum radiation reading. The Facility Operations Manual will be revised by September 5, 1988 to reflect this practice. Further, the Radiation Safety Officer has reviewed procedures to ensure that NEL staff are performing and documenting such radiation surveys in an acceptable manner.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dietrich K. Gehmlich".

Dietrich K. Gehmlich
Reactor Administrator

cc: NRC Region IV

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B.1

TRIGA PRELIMINARY CHECK SHEET NO. _____ DATE _____
OPERATOR _____

1. Door Closed: ___(√) Front door closed: ___(√) Rad Dose Log: ___(√)
2. Visual inspection of reactor tank and area: ___(√) Source & D₂O reflector in core: ___(√)*
 Demineralizer: ___(on-off) Flow rate: ___ gal/min Check and date Air Monitor: ___(√)
 Deactivate Security System: ___(√) Deactivate Radiation Alarm-Damper: ___(√)
3. Auxiliary Survey Meter: Make _____ Serial Number _____ On ___(√)
 Console Power On: ___(√) Source Light On: ___(√) Recorder On: ___(√)
 Paper Checked and Dated: ___(√) Chart Speed Standby: ___(√)
 Review Maintenance Log for any core alterations since the last operation which may possibly affect core reactivity: ___(√)
 Record Checkout in Operations Log: ___(√) Log Number: _____
 Ventilation System On: ___(√) Damper Lights Checked: ___(√) off
4. Calibrate Radiation Monitor: ___(√) Background: _____ mR/hr
 Ion Chamber Voltages LV_A1: ___(14) LV_X10: ___(34) HV_X10: ___(74)
 Fuel Temperature TC#1: ___°C TC#2: ___°C TC#3: ___°C
 Water Conductivity: _____ μmho/cm (< 5) Water Temperature: _____°C
 Compare Fuel and Water Temperatures: ___(√)
 (NOTE AND REPORT ANY ANOMALOUS READINGS TO SRO)
 Rods Down: ___(√) Shim Position: _____ Reg Position: _____
5. Reactor Room Pressure: 1205 E/ outside: _____ iwg(> .01)
 1205 E/ 1205 D: _____ iwg(> .01)
 Radiation Monitor Set Point Check: TRIGA Tank: Low: ___(√) High: ___(√)
 Ceiling: Low: ___(√) High: ___(√) Vent: Low: ___(√) High: ___(√)
6. Recorder to Low Speed: ___(√) Recorder Pens Down: ___(√)
 Linear Power Switch to 1x10⁰: ___(√) Log Power Switch to 10¹: ___(√)
 Low Log Cal to "LO" (6x10⁻³ W) Meter: _____ Red Pen: _____ (-10)
 Low Log Cal to "HI" (1x10⁰ W) Meter: _____ Red Pen: _____ (-50 - 80)
7. Key On: ___(√) LICENSED OPERATOR AND ONE OTHER PERSON MUST BE PRESENT.
 Additional Personnel: _____
8. Scram Reset: ___(√) WAIT 1 MINUTE BEFORE READING CURRENT.
 Magnet Current Safety: ___(37) Shim: ___(33)

*If source or D₂O not in core inform Reactor Supervisor before startup.

Form approved by Reactor Safety Committee:
Reactor Administrator: *Mitchell Schumaker* Date: May 25, 1988