3/5-205



Nuclear Regulatory Commission Regional Licensing Section 799 Roosevelt Road Glen Ellyn, IL 60137

Gentlemen:

Re: Control No. 02506

In answer to your letter regarding our application for a byproduct material license to possess and use a moisture density gauge, we are submitting the following additional information.

1. Safety measures to be used when transporting the device. (For example, fully secured . . .)

> The soil density meter will be transferred in a sealed, metal drum marked "Radioactive."

2. Means of preventing unauthorized use or removal of the gauge from job site. When the gauge is not in the physical presence . . .

> The piece of equipment will be used only by the students enrolled in the Civil Engineering Technology Program at Shawnee State Community College. Only two members of the college staff, Charlie Staggs and Orville Ferguson, will have authorization to use the equipment. The equipment will be stored in a metal locker when not in use and will be marked "Radioactive" and locked.

3. Emergency procedures to be followed in case of accidents involving damage or loss of the gauge, including . . .

> In case of accidents involving damage, the gauge would be checked for leakage then put back in the metal protecting drum. Both the drum and gauge will be stored in a metal locker. Further action will not transpire until further action has been taken by the Nuclear Regulatory Commission.

and and in, Washington, ormation: FEB 111980 40 second street If the gauge is lost, the NRC would be informed immediately. A report, in writing, will be sent to the NRC Regional Office with copies to the Director of Inspection and Enforcement, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, setting forth the following information:

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- a. A description of the licensed material involved, including kind, quantity, chemical, and physical form;
- A description of the circumstances under which the loss or theft occurred;
- A statement of disposition or probable disposition of the licensed material involved;
- Radiation exposures to individuals, circumstances under which the exposures occurred, and the extent of possible hazard to persons in unrestricted areas;
- e. Actions which have been taken, or will be taken, to recover the material; and
- f. Procedures or measures which have been or will be adopted to prevent a recurrence of the loss or theft of licensed material.

Subsequent to filing the written report the licensee shall also report any substantive additional information on the loss or theft which becomes available to the licensee, within 30 days after he learns of such information.

Any report filed with the Commission pursuant to this section shall be so prepared that names of individuals who may have received exposure to radiation are stated in a separate part of the report.

 State whether the nuclear moisture gauge will be used off-campus. If the gauge will be used . . .

> The gauge will be used in an open field far from any farming or human existence. It will only be used a couple of times per year. It will be used for demonstrations and labs. It will not be used on the campus.

If you need any further information concerning our application, please do not hesitate to contact me.

Onelli Fuguso

Orville Ferguson

OF/so