

NMSS:CLC  
Mail Control No. 60275

MAR 19 1985

University of South Dakota  
ATTN: Paul F. Smith, Ph.D.  
Vermillion, South Dakota 57069

Gentlemen:

This refers to your application dated April 25, 1984, to renew your NRC license and to my telephone conversation with Dr. Paul Smith on March 15, 1985. We have completed review of your application and have the following comments and need for additional information:

1. We propose that rather than list individual users on the license, as has been done in the past, that the radiation safety officer (RSO) be authorized to review credentials and approve users without license amendment. To authorize this arrangement, we will require that you indicate to us the criteria to be used by the RSO to evaluate the training and experience of each user candidate. The guidance described in 10 CFR Part 33.15(b) may be helpful in this regard. A copy of this regulation is enclosed. Also you should indicate that records of the RSO's review and approval of candidates will be maintained for review by NRC inspectors.

Your request should be signed by the University president or other administrative official and should state that the RSO has been granted the aforementioned authority for all colleges of the institution and has full responsibility for the University's radiation safety program.

2. Confirm that survey instruments will be calibrated every 6 months to the accuracy prescribed under Item 11 of the enclosed Regulatory Guide 10.2. Dr. Smith stated that future instrument calibrations may be performed by a contractor. If this is the case, identify the contractor as described in the Regulatory Guide.
3. Confirm that all sealed sources will be leak tested semiannually and specify the beta-gamma reference source(s) to be used in conjunction with the test.
4. Provide data to substantiate that releases into sanitary sewerage systems will be in accordance with 10 CFR Part 20.303.

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5. Describe your procedures for disposing of solids contaminated with long half-life radionuclides not identified in 10 CFR Part 20.306. If materials used in conjunction with such radionuclides are surveyed and found to be in excess of background levels, they must not be disposed of with normal trash.

We shall continue review of your application upon receipt of the information and revisions requested above, in duplicate.

Original Signed By  
C. L. Cain

C. L. Cain  
Nuclear Materials Safety Section

Enclosures:  
As stated