

DCS

MAR 25 1994

Docket No. 50-223

Dr. Gunter Kegel  
Director - Radiation Laboratory  
University of Massachusetts - Lowell  
1 University Avenue  
Lowell, Massachusetts 01854

Dear Dr. Kegel:

Subject: Inspection No. 50-223/94-01

An announced inspection of your reactor radiation safety and operation programs was conducted by Mr. Stephen Holmes of this office, on March 7-11, 1994, of activities authorized by NRC License No. R-125. Discussions of our findings were held by Mr. Holmes with you, Dr. William Hogan, Chancellor, University of Massachusetts - Lowell, and members of your staff at the conclusion of this inspection.

Areas reviewed during this inspection are important to public health and safety and are described in the enclosed inspection report. The areas examined included status of a previously identified item, staffing, radiation worker training, postings, radiation surveys and analyses, instrument calibration, personnel dosimetry, effluent releases, reactor logs, operating procedures, operator requalification, surveillances, control of experiments, maintenance and design changes, fuel movement, oversight, and new 10 CFR 20 implementation. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector.

Within the scope of this review we found that your radiation worker training, radiation surveys and analyses, and personnel dosimetry programs were being effectively implemented. Your surveillance tracking program was excellent, as was your staff's use of logs and checklists.

Weaknesses regarding health physics staffing were also discussed with you and your staff. In response to a previous inspection concern (Report 50-223/92-01), the Radiation Safety Subcommittee reviewed the health physics staffing situation and determined that it was adequate for the operational load. However, as discussed in Section 3.0 of this report, your present health physics staffing may not now meet the minimum requirements of the Updated Safety Analysis Report. We request that you initiate an evaluation of the present staffing level, based on those items discussed in Section 3.0, and that you provide to NRC Region I, when your evaluation is completed, any actions taken or planned to improve staffing, or justification to show that the present staffing is adequate.

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No violations of regulatory requirements were identified.

Your cooperation with us is appreciated.

Sincerely,

Original Signed By;  
James H. Joyner

James H. Joyner, Chief  
Facilities Radiological Safety  
and Safeguards Branch  
Division of Radiation Safety,  
and Safeguards

Enclosure: NRC Region I Inspection Report No. 50-223/94-01

cc w/encl:

Dr. J. Phelps, Chairman, Reactor Safety Subcommittee

D. Martineau, Acting Reactor Supervisor

Dr. William Vernetson, TRTR

K. Abraham, PAO (2)

Public Document Room (PDR)

Local Public Document Room (LPDR)

Nuclear Safety Information Center (NSIC)

Commonwealth of Massachusetts (2)

bcc w/encl:

Region I Docket Room (with concurrences)

T. F. Dragoun, RI

S. Holmes, DRSS

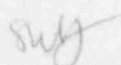
T. Michaels, NRR (OWFN 11 B20)

S. Weiss, NRR (OWFN 10 D21)

J. Caldwell, NRR/LOLB (OWFN 10D22)

V. McCree, OEDO

DRSS:RI



Holmes

3/21/94

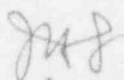
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Joyner

3/25/94