



COMMUNITY SAFETY DEPARTMENT  
OFFICE OF RESEARCH & OCCUPATIONAL SAFETY  
LOS ANGELES, CALIFORNIA 90024

July 26, 1984

Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Re: UCLA Reactor License Number R-71;  
Docket Number 50-142

Dear Mr. Denton:

This letter constitutes University's application to terminate UCLA Research Reactor Operating License Number R-71 (Docket No. 50-142), pursuant to 10 C.F.R. 50.82.

In my letter of June 14, 1984, I informed you that the University had decided to withdraw its license renewal application. In accordance with 10 C.F.R. 2.107, the request for withdrawal of the application has been submitted to the Licensing Board. In my letter of June 22, 1984 I informed you that the UCLA staff had rendered the reactor permanently inoperable and that UCLA wished to convert its operating license to a "possession-only" license.

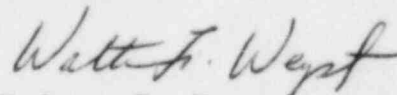
Our plans to decommission the reactor will proceed in phases. The first phase consists of removing the nuclear fuel from the facility and returning it to the Department of Energy. The Commission has been informed of steps that have already been taken to remove fuel from the site. However, at this time we are unable to estimate when the transfer of fuel will be completed. The second phase will involve dismantling the reactor core and will include removal and disposal of the primary water, the exterior plumbing, and the metallic core components of the reactor. Phases 1 and 2 can, and probably will be done concurrently once the fuel is moved into the radioactive fuel storage pits. The third phase, which will occur after completion of the second phase, will consist of a detailed radiation survey of the facility to identify sources of residual radiation.

Based on the results of this survey we intend to evaluate all options related to further dismantlement of the facility. We may decide to proceed with demolition of the concrete shielding and structures and disposal of by-product material. Alternatively, we may decide to seal the concrete shield

blocks in-place until some future time (perhaps, years in the future) when they would be demolished and disposed or instead converted to some other appropriate use (for example, as part of a seismic test facility or as shielding for a sub-critical assembly used in undergraduate engineering courses at UCLA). For the period when the reactor room cannot be released for general use we may decide to convert it to a "secure-storage" room, utilizing the physical security system that is already in place. Phase four will involve operational planning and implementation of one or more of these options.

We are submitting separately a request for specific amendments to our Technical Specifications to provide immediate relief from certain reactor calibration, maintenance, and reporting requirements that are no longer applicable and to provide other relief consistent with our changed status as a possession-only licensee. Further, the actions we are taking in Phases 1 and 2 are similar to actions we have taken in past major core maintenance and we plan to proceed promptly to complete these phases. When we reach a decision on the desired level of decommissioning (Phase 4), we will submit detailed plans for your review. We will, of course, provide you with any progress reports or other information you require during all phases of this dismantling, decommissioning process.

Sincerely,



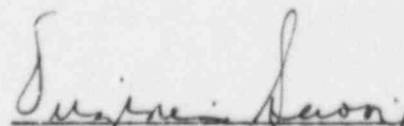
Walter F. Wegst  
Director, Research  
and Occupational Safety

WFW:si

STATE OF CALIFORNIA ) ss  
COUNTY OF LOS ANGELES )

On July 26, 1984, before me, the undersigned, a Notary Public in and for said County and State, personally appeared WALTER F. WEGST known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

Witness my hand and official seal.



Notary Public in and  
for said County and  
State