



## DEPARTMENT OF THE AIR FORCE

HEADQUARTERS SACRAMENTO AIR LOGISTICS CENTER (AFMC)  
McClellan Air Force Base, California

18 Jan 2000

SM-ALC/LI-5  
5335 Price Avenue, Bldg 258  
McClellan AFB CA 95652-2504

Document Control Desk  
U.S. Nuclear Regulatory Commission  
10555 Rockville Pike  
Rockville MD 20852-2738

Subject: Proposed Transfer of Facility Operating License R-130, McClellan Nuclear Radiation Center (MNRC)

Dear Sir

This is to supplement our letter of 13 Apr 99, and subsequent filings with regard to the transfer of Facility Operating License R-130 to the University of California. The attachments hereto explicitly show the proposed changes to the license that would be necessary to reflect the transfer of the license. Our 13 Apr 99 submittal, while requesting that the NRC transfer the license with the University of California, Davis, indicated as the licensee, inadvertently omitted the attachments as part of the initial application for approval of the license transfer which encompassed a conforming amendment request more explicitly detailed here.

The following additional information is supplied in support of the amendment and transfer application. As indicated in the proposed Technical Specifications, I will remain as the on-site Director of the MNRC but as an employee of the University of California. All other current employees, including supervisors, will remain in their present positions. However, they will become employees of the contractor Science Applications International Corporation (SAIC), which will operate the facility under the ultimate control and director of the University of California. My responsibilities as facility Director will remain unchanged.

Sincerely

*Wade J. Richards*  
WADE J. RICHARDS, Ph.D.

Chief, Nuclear Licensing and Operations

Attachment:  
Changes to the License

cc:  
Dr. Warren J. Eresian, NRC

A001

TECHNICAL SPECIFICATIONS  
FOR THE  
U.C. DAVIS MCCLELLAN NUCLEAR RADIATION CENTER (MNRC)

General

The McClellan Nuclear Radiation Center (MNRC) reactor is operated by the University of California, Davis, CA. The MNRC research reactor is a TRIGA type reactor. The MNRC provides state-of-the-art neutron radiography capabilities. In addition, the MNRC provides a wide range of irradiation services for both research and industrial needs. The reactor operates at a nominal steady state power level up to and including 2 MW. The MNRC reactor is also capable of square wave and pulse operational modes. The MNRC reactor fuel is less than 20% enriched in uranium-235.

1.0 Definitions

1.1 As Low As Reasonably Achievable (ALARA). As defined in 10 CFR Part 20.

1.2 Licensed Operators. A MNRC reactor operator is an individual licensed by the Nuclear Regulatory Commission (e.g., senior reactor operator or reactor operator) to carry out the duties and responsibilities associated with the position requiring the license.

1.2.1 Senior Reactor Operator. An individual who is licensed to direct the activities of reactor operators and to manipulate the controls of the facility.

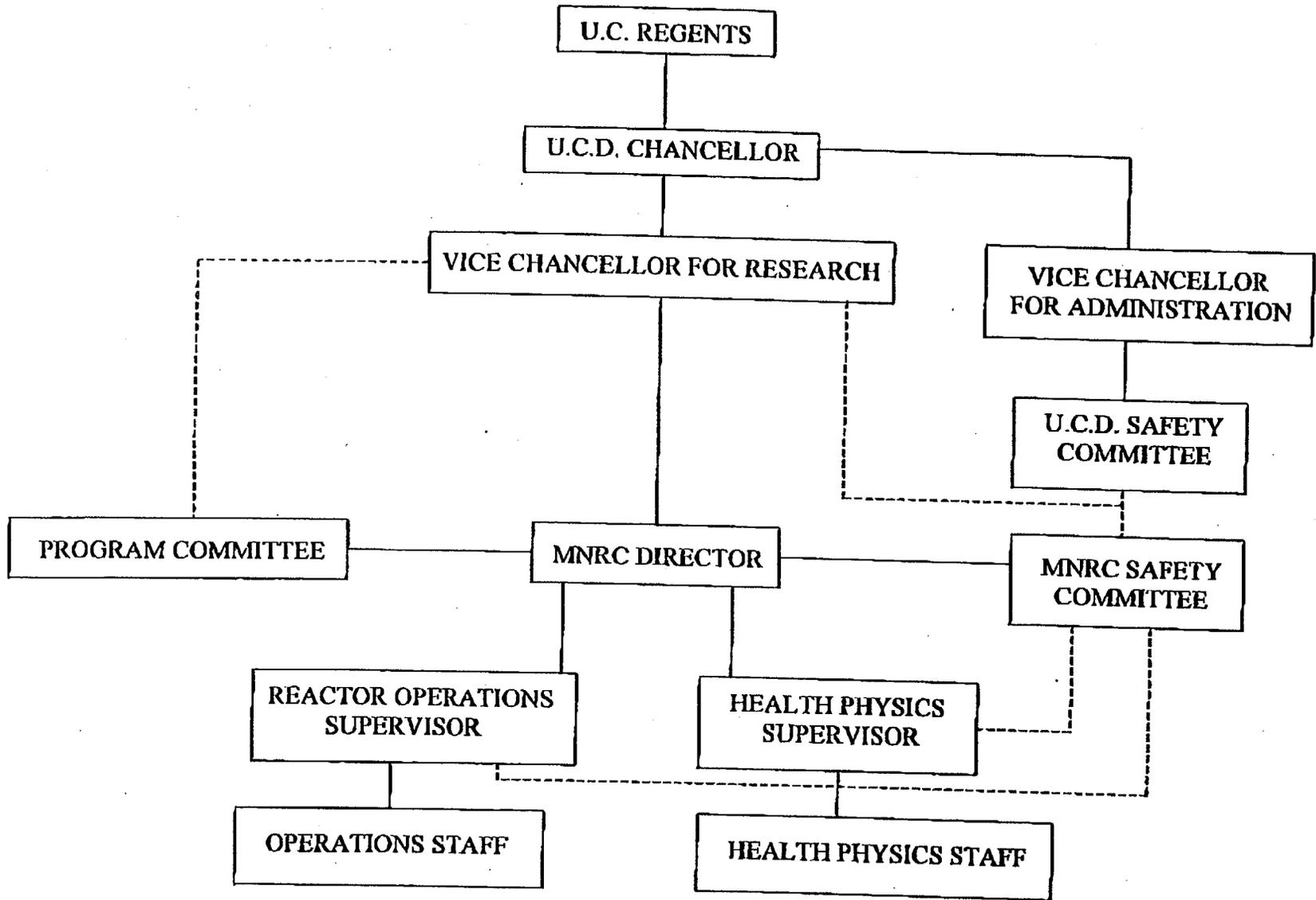
1.2.2 Reactor Operator. An individual who is licensed to manipulate the controls of the facility and perform reactor-related maintenance.

1.3 Channel. A channel is the combination of sensor, line amplifier, processor, and output devices which are connected for the purpose of measuring the value of a parameter.

1.3.1 Channel Test. A channel test is the introduction of a signal into the channel for verification that it is operable.

1.3.2 Channel Calibration. A channel calibration is an adjustment of the channel such that its output corresponds with acceptable accuracy to known values of the parameter which the channel measures. Calibration shall encompass the entire channel, including equipment actuation, alarm or trip, and shall be deemed to include a channel test.

1.3.3 Channel Check. A channel check is a qualitative verification of acceptable performance by observation of channel behavior. This verification, where possible, shall include comparison of the channel with other independent channels or systems measuring the same variable.

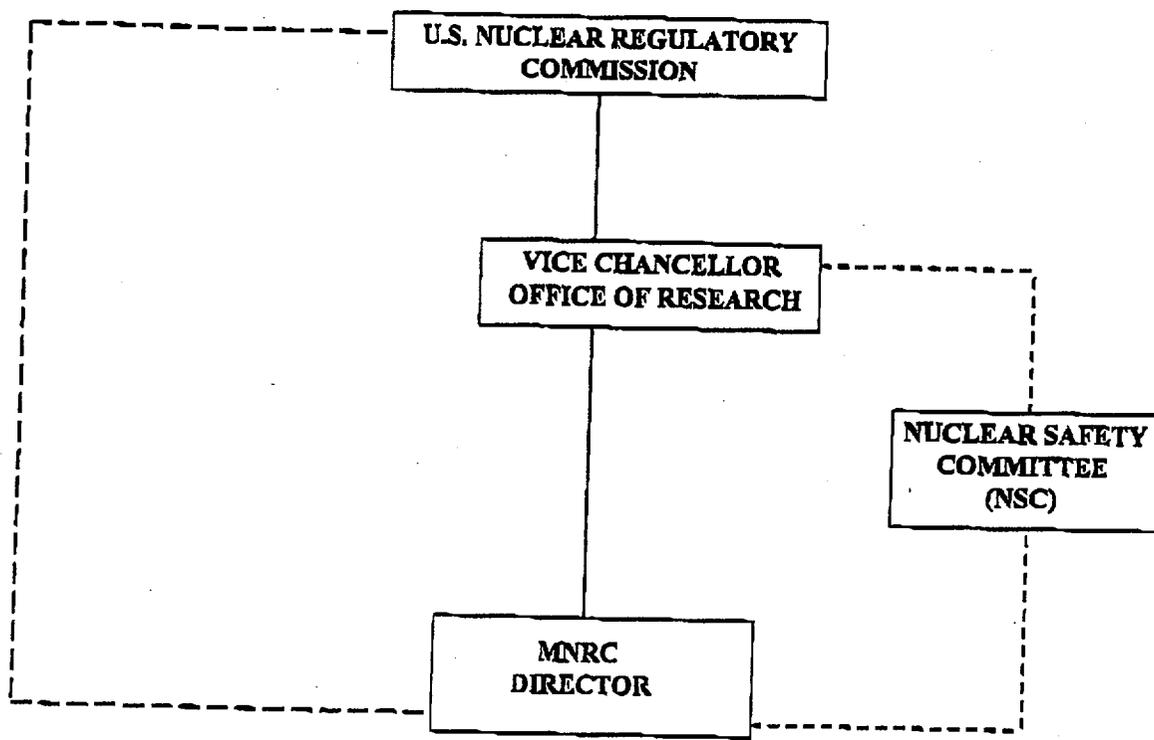


UNIVERSITY MANAGEMENT ORGANIZATION

Figure 6.1

————— Normal Administrative Reporting Channel

- - - - - Technical Review, Communications and Assistance



- NUCLEAR SAFETY AND LICENSING
- - - - NUCLEAR SAFETY AND LICENSING REVIEWS, APPROVALS AND RECOMMENDATIONS
- - - - COMMUNICATION OF LICENSED ACTIVITIES

U.C. Davis McClellan Nuclear Radiation Center Licensing Organization

Figure 6.2