Proposed Changes to Section 4.3.3 of Facility License R-76
Technical Specifications

4.3.3 Radiation Monitoring System

Applicability: This specification applies to the surveillance requirements for the area monitoring equipment, Argon-41 monitoring system, and the continuous air monitoring system.

Objectives: The objectives are to ensure that the radiation monitoring equipment is operating properly, capable of performing their intended function, and that the alarm points are set correctly.

Specification: All radiation monitoring systems shall be verified to be operable at least monthly at an interval not to exceed 60 days. In addition, the following surveillance activities shall be performed on an annual basis at intervals not to exceed 15 months. 1) The area radiation monitoring system shall be calibrated using a certified source; b) a channel check on the A-41 system shall be done using at least two different calibrated gamma-ray sources; 3) a channel test shall be performed on the CAM using a calibrated source.

Basis: Experience has shown that monthly verification of Radiation Monitoring Systems' operability in conjunction with an annual more thorough surveillance is adequate to correct for any variations in the systems caused by a change of operating characteristics over a long time span.

Proposed Changes to Section 5.4 of Facility License R-76 Technical Specifications

(The sub-section on "specifications" needs to be changed to correspond to the proposed changes in Section 5.3.3.)

Specifications:

(1) Function of Area Radiation Monitor (gamma-sensitive instruments): Monitor radiation fields in key locations, alarm and readout at control console.

(2) Function of Continuous Air Radiation Monitor (beta-, gamma-sensitive detector with particulate collection capability): Monitor radioactive particulate activity in the pool room air, alarm and readout at control console.

(3) Function of A-41 Monitor (gamma-sensitive instrument): Monitor A-41 content in reactor exhaust air.