



DEPARTMENT OF THE NAVY
UNITED STATES NAVAL ACADEMY
121 BLAKE ROAD
ANNAPOLIS MARYLAND 21402-1300

USNAINST 5510.1G
9/Div Engr&Weps

AUG 21 2008

USNA INSTRUCTION 5510.1G

From: Superintendent

Subj: SECURITY MEASURES FOR SAFEGUARDING SUBCRITICAL REACTOR

Ref: (a) NAVSEA S0420-AA-RAD-010
(b) Title 10 Code of Federal Regulations
(c) ENGRWEPINST 11102.1K

1. Purpose. To publish security measures to be maintained for the safeguarding of the Naval Academy's sub-critical reactor.
2. Cancellation. USNA Instruction 5510.1F
3. Background. The Naval Academy's sub-critical reactor is under the cognizance of the Director, Division of Engineering and Weapons, who is responsible for its overall security. The security measures instituted will be designed to prevent unauthorized use of the reactor and loss of the special nuclear material and instruments associated with the facility. These security measures were developed in accordance with the guidelines of references (a) and (b). Reference (c) provides supplemental procedures for the safety of the sub-critical reactor.
4. Action
 - a. Access to the reactor spaces will be secured any time the reactor is without direct and authorized supervision.
 - b. All doors with direct access to the reactor room have double locks.
 - c. The reactor, when loaded with neutron sources, will have a metal bar locked in place across it to prevent the easy removal of the neutron sources.
 - d. The reactor's uranium fuel will be inventoried semi-annually.
 - e. The Plutonium-Beryllium neutron sources will be inventoried semi-annually in conjunction with the swipe tests that the Navy Radioactive Material Permit requires.
 - f. The Security Police will promptly investigate and report any abnormal occurrences associated with the reactor space to the Naval Academy Duty Officer (NADO) and the Radiation Safety Officer (RSO).

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g. NADO will contact the Division of Engineering and Weapons Duty Officer and inform him/her of any abnormal conditions that are not in Rickover Hall and adjoining areas.

h. The Division of Engineering and Weapons Duty Officer will notify the Laboratory Director before proceeding into the reactor area to investigate.

i. The Division of Engineering and Weapons Duty Officer will keep the duty cell phone on or near his/her person at all times, so as to be immediately reachable at all times. The Duty Officer is responsible for notifying cognizant personnel in the Division of Engineering and Weapons and ensuring proper action is taken in the event abnormal conditions are reported.

/S/
J. L. FOWLER

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