1. TESTING OF EMERGENCY GENERATORS

Reference: (a) JCAHO, Functional Safety and Sanitation Standard
(b) NFPA 99

The Joint Commission on Accreditation of Hospitals requires that the hospital shall have available and autonomous emergency power source that provides essential service when the normal electrical supply is interrupted. This power source shall be located on the hospital premises, as in the case of a standby generator.

Maintenance of equipment shall include organized monthly testing of all system components under actual loads and conditions. The generator set shall be so maintained at all times as to be capable of supplying service within the shortest time practical and within the ten second interval and specified in NFPA 99, paragraphs 3-3.2.1.8, 3-5.1.2.1(b), 3-5.1.2.1(c)(2) exercised annually. Main feeder breakers shall be tested under trip conditions to ensure reliability. The resistance readings of the main feeder insulation shall be determined periodically by the use of an insulation tester. A permanent record of all readings shall be maintained.

Generator sets serving Emergency and Equipment Systems shall be inspected daily and shall be exercised for at least (30) minutes under load conditions at intervals of not more that fourteen (14) days. The (30) minute period is an absolute minimum, and the individual engine manufacturer’s recommendation shall be followed. The regularly scheduled tests shall include a manual transfer of all essential system loads.

The regularly scheduled tests shall be conducted by competent personnel of the electrical shop.

Approved By:  ____________________________  Effective Date:  January 1, 2006

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