

VALLEYCARE
OLIVE VIEW-UCLA MEDICAL CENTER/HEALTH CENTERS
DEPARTMENT: FACILITIES
POLICY & PROCEDURE

NUMBER: 593
VERSION: 1

SUBJECT/TITLE: **EMERGENCY POWER GENERATORS**

POLICY: Emergency power generators will be tested in accordance with CAC Title 22, NFPA, and JCAHO requirements.

PURPOSE:

PROCEDURE: Weekly – Generators are run for thirty (30) minutes under load. Notify the following personnel that there will be a test of the emergency generators:

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|----|----------------|------------------------|
| A. | BEAS Room | Ext. 4100 |
| B. | Operator | Ext. "0" |
| C. | Nursing Admin. | Ext. 3170 |
| D. | Central Supply | Ext. 4207 |
| E. | Stat Lab | Ext. 4037 |
| F. | Co-Gen | Ext. 3091 |
| G. | D.W.P. | (818) 352-9282 |
| H. | Radiology | Ext. 4084 or Ext. 6084 |

The following pre-checks will be conducted prior to operating the emergency generators:

1. Water jacket, oil and fuel level.
2. Loose terminals, frayed wiring and frayed engine belts.
3. Remove any excessive dirt, dust, oil or foreign objects from on or around the engines.
4. Check battery terminal connections.

During the operation of the generators observe the following:

1. Operation of exhaust fans.
2. Operation of the fuel pumps.
3. Gauges, oil, water temperature (all engine gauges).

All automatic transfer switches (A.T.S.) will be tested at least monthly in conjunction with the weekly generator testing. These switches are used to start the generator and add load to the test.

The emergency generators or generator must start and assume the emergency load

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within 10 seconds. List in the log the following items from both generators: start time, emergency load transfer time, oil temperature, water temperature, voltage in each phase, amperage demand of each phase, KW KVAR readings, running time, and any unusual incident of the emergency power system. All unusual incidents shall be forwarded through the chain of command for any necessary action. The operator will assure that the emergency generators and emergency synchronizing switchboard is in their reading position. After test, check that all systems are normal.

Exhaust is to be checked for evidence of wet stacking.

Annually: A load-bank test is performed connecting the following supplemental loads: 25% of nameplate rating for 30 minutes; followed by 50% of nameplate rating for 30 minutes; followed by 75% of nameplate rating for 60 minutes for a total of two hours continuously.

DEPARTMENTS: FACILITIES

DEFINITIONS:

References:	
Approved by: Robert Ross (Director, Facilities)	Date: 08/12/2009
Review Date: 07/12/2015	Revision Date:
Distribution: Facilities	
Original Date: 08/12/2009	