


National High Magnetic Field Laboratory Safety Program

TITLE: Automated External Defibrillator (AED) Program Policy	SUBJECT: Automated External Defibrillator
PROGRAM NUMBER: SP-25	EFFECTIVE DATE: 10/16/2014
REVISION NUMBER: 001	REVISION DATE: 7/29/2016
ISSUING AUTHORITY: Safety and Admin	Approval: NHMFL Deputy Lab Director
Additional Approval Signatures on Revision and Approval Page in Appendix	

Overall Mission and Overview:

The National High Magnetic Field Laboratory (NHMFL) Environmental, Health, and Safety (EHS) program’s mission is to:

Provide support and guidance to all NHMFL departments with the implementation, maintenance and review of a comprehensive environmental, health, and safety program. The primary goal of the MagLabs EHS program is to control, reduce or eliminate work-related injuries, illnesses and loss of NHMFL resources.

The NHMFL is charged by the National Science Foundation (NSF) to safely:

- Promote magnet-related research to serve an interdisciplinary scientific user community.
- Provide unique high-magnetic-field facilities through a competitive and transparent proposal review process.
- Advance magnet and magnet-related technology.
- Partner with universities, other national laboratories and industry to enhance national competitiveness in magnet and related technologies.
- Serve the NSF as a prominent example of its successful stewardship of large research facilities.
- Support science and technology education in the United States.
- Increase diversity in the science, technology, engineering, and mathematics workforce
- Promote collaboration among our three partner institutions: Florida State University (FSU), the University of Florida (UF) and Los Alamos National Laboratory (LANL).



1.0 PURPOSE:

An Automated External Defibrillator (AED) is used when an individual experiences sudden cardiac arrest. It should only be used when it has been determined that the individual is unconscious, not breathing, and no signs of life are observed. The AED will analyze the heart's rhythm to determine if a shock is advised. This shock is called defibrillation and may help reestablish an effective heart rhythm. The AED will charge to an appropriate energy level to administer the shock.

2.0 PROCEDURE FOR AED UTILIZATION:

The AED should only be used on individuals 9 years of age or older and displays ALL the symptoms of a sudden cardiac arrest. The AED should be used after the following situation is confirmed:

- Victim is unconscious
- Victim is not breathing
- Victim shows no signs of life, such as clear rise and fall of their chest or obvious signs of breathing

When a victim of sudden cardiac arrest has been recognized and confirmed, the nearest certified trained responder with access to the AED should respond as soon as possible. In addition, the local emergency medical system (EMS) must be activated immediately by calling 911. As outlined by training protocols, CPR should be performed in conjunction with AED use until advanced medical personnel arrive to take over. Utilization of the AED should be in accordance with manufacture recommendations and prompted instructions during operation.

After use, the AED should be restored according to manufacture recommendations. Any used supplies during the cardiac emergency should to be replaced as needed (i.e. pads, gloves, breathing barriers, etc.).

3.0 TRAINING

Employees responsible for operating an AED will receive training from a nationally accredited organization (i.e. American Red Cross, American Heart Association). This training will be conducted in conjunction with CPR (cardiopulmonary resuscitation) as outlined by state regulations and codes (see FS 401.2915(1), FS 768.1325 and Chapter 64E-2.039 FAC). The program coordinator is responsible for scheduling, maintaining, refresher training and AED certification.



4.0 AED LOCATIONS

- B Building 1st Floor Atrium
- C Building 2nd Floor Near Elevator
- C Building 3rd Floor Near Elevator
- NMR Building 1st Floor Next to Exit Near 900 MHz Magnet Entrance
- DC Magnet Building Next to Control Room
- Shaw Building 1st Floor Left Hallway Off Main Entrance
- Shaw Building 2nd Floor at Top of Stairs

5.0 AED INFORMATION:

Powerheart AED G3 Plus



Features instructive voice prompts; one-button operation; daily, weekly, and monthly self-tests.

6.0 AED PROGRAM COORDINATOR

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Revisions and Approvals

Revisions:

Date	Revision #	Section	Description
7/29/2016	001	All	Re-Write
	002		
	003		
	004		
	005		

Approvals:

Title	Approved by:	Signature
Assistant Lab Director: Environmental Health & Safety	Laymon Gray	