

# National Federation of High School and Sadler Insurance Company

## Guidelines for Lightning Safety

(Adopted by Moncks Corner Recreation)

Revised as of 5/23/2019

A chain of command and designated decision-maker should be established for each organized practice and competition.

### **Recognition:**

Coaches, certified athletic trainers, athletes and administrators should be educated regarding the signs indicating thunderstorm development. Since the average distance between successive lightning flashes is approximately 2-3 miles, anytime the lightning can be seen or thunder heard, the risk is always present. All decisions about postponing an activity or returning to an activity should be made by Athletic Director, athletics supervisors, trainer, coach, and/or game officials who are responsible for removing teams and individuals from an outdoor athletic site.

### **Weather can be monitored using the following methods:**

**Monitor weather patterns** – Be aware of potential thunderstorms by monitoring local weather forecasts the day before and morning of the practice or competition, and by scanning the sky for signs of potential thunderstorm activity.

**Flash to Bang** – This method is used to assess how far away lightning is striking. It is determined by counting the number of seconds it takes to hear a clap of thunder after witnessing a flash of lightning. The number of seconds is then divided by five to get the distance, in miles, to the lightning flash. Generally, a 30 second or less flash-to bang count suggests removal of the athletes from the field to a safe shelter is advisable.

**(This means in the cars with windows shut for teams at Moncks Corner Complex)**

**National Weather Service (NWS)** – Weather can also be monitored using small, portable weather radios from NWS. The NWS uses a system of severe storm watches and warnings. A watch indicates conditions are favorable for severe weather to develop in an area; a warning indicates severe weather has been reported in an area and for everyone to take proper precautions.

### **Management:**

**Evacuation** – If lightning is imminent or a thunderstorm is approaching, all personnel, athletes and spectators should evacuate to available safe structures or shelters. A list of safe structures should be announced and displayed on placards at all athletic venues.

(This means in the cars with windows shut for teams at Moncks Corner Complex) Avoid touching anything metal or any conducting path to the outside such as a steering wheel, ignition, radio, gear shifter, etc. while inside the car. **DO NOT take refuge under or near trees, tall objects, bleachers, dugouts or fences.**

**In the open** – If a suitable sturdy building or vehicle is not available, you may have to stay in the open. Avoid all water, metal objects (such as electrical wires, machinery, motors, bleachers and fences, small boats, high ground, isolated trees and telephone poles. If lightning strikes nearby, avoid all direct contact with other people, remove all metal objects from your person and crouch down with feet together and hands on knees making sure that only your feet are touching the ground.

**Thirty-minute rule** – Once lightning has been recognized, it is recommended to wait at least 30 minutes after the last flash of lightning is witnessed or thunder is heard. Given the average rates of thunderstorms travel, the storms should move 10-12 miles away from the area. This significantly reduces the risk of local lightning flashes. Any subsequent lightning or thunder after the beginning of the 30-minute count should reset the clock and another count should begin.

### **Prevention:**

In order to prevent lightning-related injuries, it is important to formulate and implement a proactive comprehensive lightning emergency plan. The plan should include:

- Advanced planning
- A systematic approach for monitoring local weather conditions
- Education of staff to recognize signs of nearby lightning activity.
- Criteria for suspension and resumption of play
- Evacuation plan (In your cars for Moncks Corner)
- Periodic review and practice of the plan by appropriate high school or recreation department personnel

**DISCLAIMER: NO PLACE OUTSIDE IS SAFE FROM LIGHTNING NEAR THUNDERSTORMS. THE GUIDELINES REFERENCED IN THIS ARTICLE ARE NOT 100% SAFE DUE TO THE RANDOM AND UNPREDICTABLE NATURE OF LIGHTNING.**

THANKS FOR REVIEWING THIS VERY IMPORTANT POLICY. IT IS IMPORTANT EVERYONE IS ON THE SAME PAGE FOR THE SAFETY OF ALL INVOLVED!

**MONCKS CORNER RECREATION STAFF**