

# Thorguard Lightning Prediction and Warning System

The University has purchased and installed a Thorguard Lightning Prediction and Warning System at the top of Turpin Stadium, and a remote station located at the Recreation Complex. The system is provided for your safety: please understand how the system works and what to do when an alert is sounded.

The Thorguard system is a lightning “**predictor**” which measures and analyzes the electrostatic field in the atmosphere to predict the risk of a possible lightning strike. This differs from a lightning “**detection**” system which require lightning to strike the ground before a warning can be issued. This is of utmost importance considering a majority of lightning deaths and injuries occur from the first lightning strike or from the rear of a storm that has already passed. This system predicts the lighting that will strike in a pre-determined distance from the stadium.

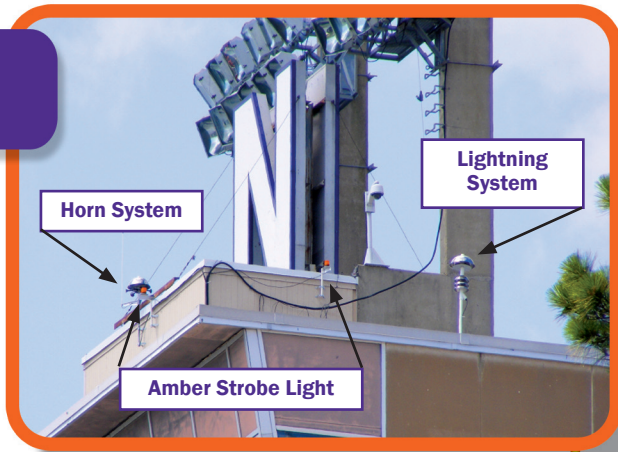
Please note the photo of the Stadium (above), which indicates all parts of the system. In this photo, you can only see 2 of the 4 amber strobe lights. The other 2 lights are located on the other 2 sides.

In the event atmospheric conditions are present for a potential lightning strike, the system will sound a **WARNING** horn for 15 seconds to alert of the impending danger. The **amber colored strobe lights** that are located on each corner of Turpin Stadium will begin to flash. These lights are located on the 4 sides of the very top of the stadium, where the “N” beacon is located. The same thing will happen at the Recreation Complex. The horn and amber lights are located on the Recreation Complex Pro Shop. When this occurs, persons that are outside should seek safe shelter in a building or an automobile.

When the horn has sounded and the lights begin to flash, there is a potential for lightning. Please remove yourself from all outdoor activities to an enclosed structure.

When lightning is in the immediate area, and there is a heightened risk of lightning strikes, an **EMERGENCY ALERT** horn will sound, and the amber strobe lights will continue to flash.

The strobe lights will continue to flash until there is no more lightning and persons should remain inside an enclosed structure



until the strobe lights are no longer flashing. If the strobe light remains on, the danger of lightning is still a possibility, and persons should remain inside. When there is an **ALL CLEAR** the horn will sound for three blasts and the strobe lights are no longer flashing.

The lightning prediction system is on duty 24 hours a day, 365 days a year.

Common sense needs to be used when dangerous weather conditions are approaching or exist. Don't wait for the Thorguard System to sound before you seek shelter. If severe weather is approaching, or if you hear thunder or see lightning, seek safe shelter immediately.



## Thorguard Lightning Prediction and Warning System

*Here's the simple version:*

- **WARNING Horn will sound (15 second blast)** when a potentially dangerous weather system is approaching.
- Immediately seek proper shelter (building or automobile). Remain in shelter until **ALL CLEAR** is sounded and strobe lights are no longer flashing.
- Wait for **ALL CLEAR (3 horn blasts)**.
- Signal horns may not be at your immediate location, but within an earshot. If you hear the alarms, or see the strobe lights flashing, seek proper shelter, and remain until **ALL CLEAR**.

