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# The Dangers of Hydrogen Gas

**RESIDENTIAL HAZARD AWARENESS**



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**SEMINOLE COUNTY FIRE DEPARTMENT**

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An Important Message from the  
**SEMINOLE COUNTY  
FIRE DEPARTMENT**



# An Important Safety Message

## CONCERNING GOLF CARTS IN THE HOME

The Seminole County Fire Department has been dispatched to numerous “carbon monoxide” alarm activations. After investigation, it was discovered that golf carts stored in closed garages were the culprits. Hydrogen gas was emitting from the lead acid batteries that power the golf carts while charging. Once the gas reaches a certain limit, an audible alarm is activated from the carbon monoxide detector. These emissions trick the detector leading it to believe it’s a carbon monoxide issue, when in reality, it is hydrogen gas.

## Golf Cart Battery Hazards:

Residents are asked to educate themselves on the many hazards associated with golf cart batteries, such as electrical systems, sulfuric acid and hydrogen gases – severe injuries can occur if the proper precautions are not taken.

Sulfuric acid can cause severe burns to your skin and destroy your clothes and any surface, including your golf cart body. Use precautionary methods and proper protection for skin, eyes and clothing.

Hydrogen gas is produced while batteries are being charged. It is imperative residents use proper safety precautions during charging operations.



**Dangers of Hydrogen Gas:**  
Asphyxiation • Fire • Explosion

## What Can I Do?

### VENTILATION IS IMPORTANT

- Only charge carts in a well ventilated area.
- Outside would be the safest place.
- Always have a CO detector in your home.